Appendix A-14
Region 14

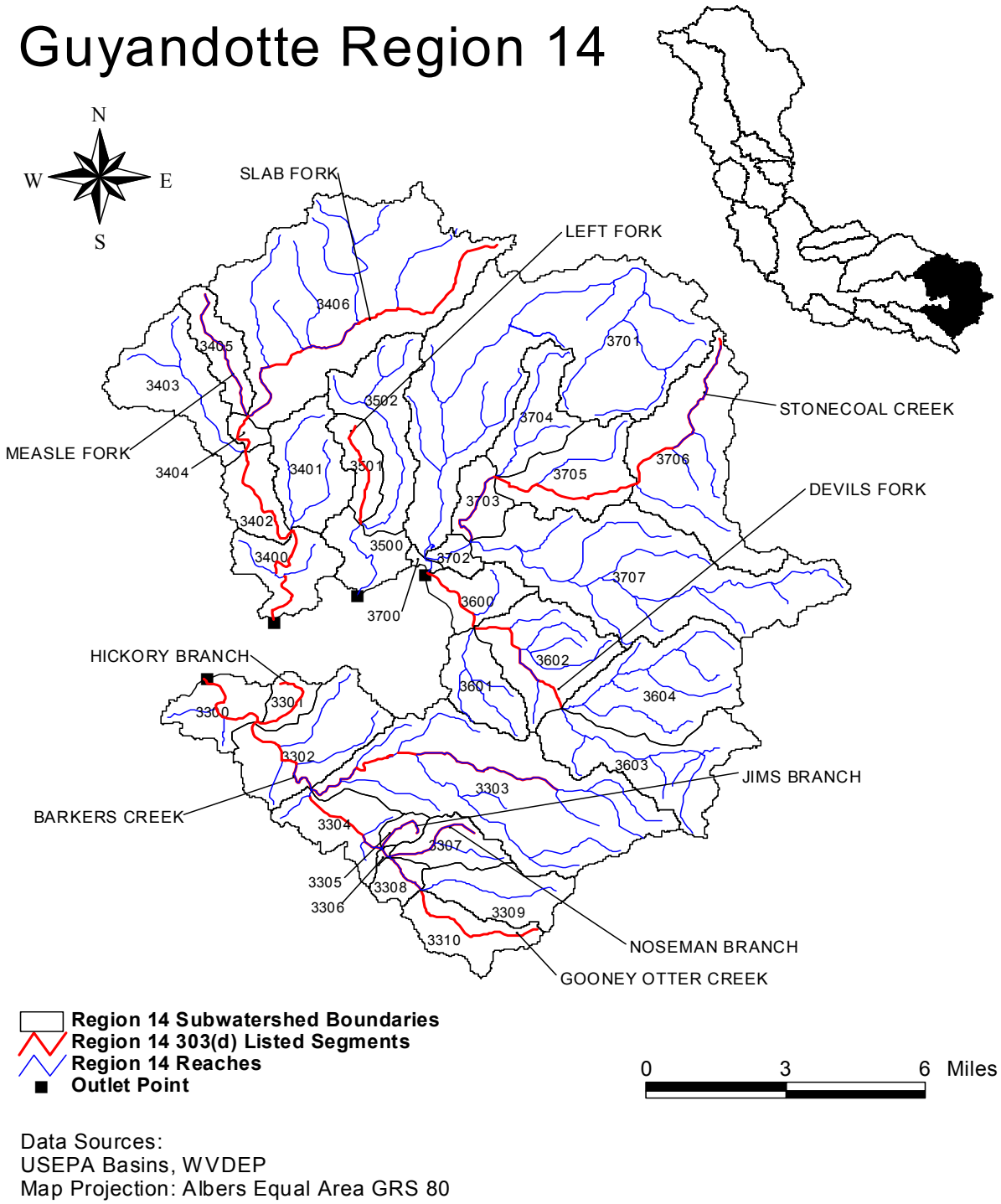

Figure 1. Region 14 - Guyandotte Watershed

Table 1. Impaired waterbodies in Region 14

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Affected Use
Barkers Creek	OG-131	Metals	3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310		Aquatic Life, Human Health
Devil's Fork	OG-137	Metals	3600, 3601, 3602, 3603, 3604		Aquatic Life, Human Health
Gooney Otter Creek	OG-131-F	Metals	3304, 3305, 3306, 3307, 3308, 3309, 3310		Aquatic Life, Human Health
Hickory Branch	OG-131-B	Metals	3301		Aquatic Life, Human Health
Jims Branch	OG-131-F-1	Metals	3305		Aquatic Life, Human Health
Left Fork	OG-135-A	Metals	3501		Aquatic Life, Human Health
Measle Fork	OG-134-D	Metals, pH	3405		Aquatic Life, Human Health
Noseman Branch	OG-131-F-2	Metals	3307		Aquatic Life, Human Health
Slab Fork	OG-134	Metals	3400, 3401, 3402, 3403, 3405, 3406		Aquatic Life, Human Health
Stonecoal Creek	OG-139	Metals	3703, 3705, 3706		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
3300
3302
3303
3304
3305
3307
3309
3310
3402
3406
3500
3501
3600
3602
3701
3702
3704

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

SWS
3705
3706
3707

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
3300	19	106.22	23	500	9	10/11/02	07/03/03
3300	OG-131-0003	150.00	150	150	1	09/06/00	09/06/00
3302	OG-131-0004	170.00	170	170	1	09/06/00	09/06/00
3303	OG-131-0001	120.00	120	120	1	09/06/00	09/06/00
3303	OG-131-0002	160.00	160	160	1	09/06/00	09/06/00
3304	OG-131-0005	190.00	190	190	1	09/05/00	09/05/00
3304	OG-131-F-1m	100.00	100	100	1	09/05/00	09/05/00
3306	OG-131-F-2m	100.00	100	100	1	09/05/00	09/05/00
3400	23	302.56	53	1800	9	10/11/02	07/03/03
3400	OG-134-0001	165.00	165	165	1	09/05/00	09/05/00
3403	OG-134-0004	40.00	40	40	1	09/05/00	09/05/00
3405	OG-134-0005	5790.00	5790	5790	1	09/05/00	09/05/00
3406	OG-134-0002	95.00	95	95	1	09/06/00	09/06/00
3406	OG-134-0006	130.00	130	130	1	08/30/00	08/30/00
3501	OG-135-0002	36.00	36	36	1	09/06/00	09/06/00
3600	25	127.88	36	500	8	10/11/02	07/03/03
3600	OG-137-0001	83.00	83	83	1	09/07/00	09/07/00
3603	OG-137-0002	260.00	260	260	1	09/11/00	09/11/00
3604	OG-137-0003	240.00	240	240	1	09/11/00	09/11/00
3701	26	143.50	30	600	10	10/11/02	07/03/03
3701	OG-138-0001	175.00	175	175	1	09/06/00	09/06/00
3701	OG-138-0003	58.00	58	58	1	09/07/00	09/07/00
3701	OG-138-0004	930.00	930	930	1	09/11/00	09/11/00
3701	OG-138m3.4	100.00	100	100	1	09/11/00	09/11/00
3702	27	208.33	21	800	9	10/11/02	07/03/03
3702	OG-139-0001	89.00	89	89	1	09/06/00	09/06/00
3703	OG-139m3.1	100.00	100	100	1	09/11/00	09/11/00
3705	OG-139-Cm	100.00	100	100	1	09/11/00	09/11/00
3707	OG-139-0003	70.00	70	70	1	09/07/00	09/07/00

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
3300	19	173.10	26	700	10	10/11/02	07/03/03
3300	OG-131-0003	230.00	230	230	1	09/06/00	09/06/00
3301	OG-131-Bm	230.00	230	230	1	09/06/00	09/06/00
3302	OG-131-0004	340.00	340	340	1	09/06/00	09/06/00
3303	OG-131-0001	150.00	150	150	1	09/06/00	09/06/00
3303	OG-131-0002	190.00	190	190	1	09/06/00	09/06/00
3304	OG-131-0005	380.00	380	380	1	09/05/00	09/05/00
3305	OG-131-0006	180.00	180	180	1	09/05/00	09/05/00
3306	OG-131-0007	250.00	250	250	1	09/05/00	09/05/00
3400	23	1017.60	73	2200	10	10/11/02	07/03/03
3400	OG-134-0001	868.00	868	868	1	09/05/00	09/05/00
3403	OG-134-0004	102.00	102	102	1	09/05/00	09/05/00
3405	OG-134-0005	5790.00	5790	5790	1	09/05/00	09/05/00
3406	OG-134-0002	414.00	414	414	1	09/06/00	09/06/00
3406	OG-134-0006	200.00	200	200	1	08/30/00	08/30/00
3501	OG-135-0002	48.00	48	48	1	09/06/00	09/06/00
3600	25	184.67	24	700	9	10/11/02	07/03/03
3600	OG-137-0001	113.00	113	113	1	09/07/00	09/07/00
3603	OG-137-0002	290.00	290	290	1	09/11/00	09/11/00
3604	OG-137-0003	280.00	280	280	1	09/11/00	09/11/00
3604	OG-137-Cm0.7	280.00	280	280	1	09/11/00	09/11/00
3701	26	280.10	62	600	10	10/11/02	07/03/03
3701	OG-138-0001	354.00	354	354	1	09/06/00	09/06/00
3701	OG-138-0002	430.00	430	430	1	09/11/00	09/11/00
3701	OG-138-0003	66.00	66	66	1	09/07/00	09/07/00
3701	OG-138-0004	1200.00	1200	1200	1	09/11/00	09/11/00
3702	27	252.50	24	1000	10	10/11/02	07/03/03
3702	OG-139-0001	164.00	164	164	1	09/06/00	09/06/00
3703	OG-139-0002	130.00	130	130	1	09/11/00	09/11/00
3705	OG-139-Cm	100.00	100	100	1	09/11/00	09/11/00
3707	OG-139-0003	97.00	97	97	1	09/07/00	09/07/00

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
3300	19	100.00	60	140	8	10/11/02	7/3/03
3300	OG-131-0003	40.00	40	40	1	9/6/00	9/6/00
3300	WVOG-131	30.00	30	30	1	9/6/00	9/6/00
3302	OG-131-Cm	30.00	30	30	1	9/6/00	9/6/00
3303	OG-131-0001	40.00	40	40	1	9/6/00	9/6/00
3304	OG-131-0005	30.00	30	30	1	9/5/00	9/5/00
3304	OG-131-F-1m	30.00	30	30	1	9/5/00	9/5/00
3306	OG-131-0007	30.00	30	30	1	9/5/00	9/5/00
3400	23	273.33	80	840	6	10/11/02	7/3/03
3400	OG-134-0001	42.00	42	42	1	9/5/00	9/5/00
3403	OG-134-0004	329.00	329	329	1	9/5/00	9/5/00
3405	OG-134-0005	1950.00	1950	1950	1	9/5/00	9/5/00
3406	OG-134-0002	123.00	123	123	1	9/6/00	9/6/00
3406	OG-134-0006	140.00	140	140	1	8/30/00	8/30/00
3501	OG-135-0002	138.00	138	138	1	9/6/00	9/6/00
3600	25	132.22	70	250	9	10/11/02	7/3/03
3600	OG-137-0001	216.00	216	216	1	9/7/00	9/7/00
3600	OG-137m	104.00	104	104	1	9/7/00	9/7/00
3603	OG-137-Bm0.5	30.00	30	30	1	9/11/00	9/11/00
3604	OG-137-Cm0.7	30.00	30	30	1	9/11/00	9/11/00
3701	26	91.43	60	180	7	10/11/02	7/3/03
3701	OG-138-0001	25.00	25	25	1	9/6/00	9/6/00
3701	OG-138-0003	21.00	21	21	1	9/7/00	9/7/00
3701	OG-138-Em	20.00	20	20	1	9/11/00	9/11/00
3701	OG-138m3.4	20.00	20	20	1	9/11/00	9/11/00
3702	27	306.67	80	970	9	10/11/02	7/3/03
3702	OG-139-0001	25.00	25	25	1	9/6/00	9/6/00
3703	OG-139m3.1	20.00	20	20	1	9/11/00	9/11/00
3705	OG-139-Cm	20.00	20	20	1	9/11/00	9/11/00
3707	OG-139-0003	96	96	96	1	9/7/00	9/7/00

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
3300	19	350.00	140	1030	10	10/11/02	07/03/03
3300	OG-131-0003	180.00	180	180	1	09/06/00	09/06/00
3302	OG-131-0004	150.00	150	150	1	09/06/00	09/06/00
3303	OG-131-0001	590.00	590	590	1	09/06/00	09/06/00
3303	OG-131-0002	40.00	40	40	1	09/06/00	09/06/00
3304	OG-131-0005	240.00	240	240	1	09/05/00	09/05/00
3305	OG-131-0006	40.00	40	40	1	09/05/00	09/05/00
3306	OG-131-0007	430.00	430	430	1	09/05/00	09/05/00
3400	23	477.00	150	1690	10	10/11/02	07/03/03
3400	OG-134-0001	943.00	943	943	1	09/05/00	09/05/00
3403	OG-134-0004	827.00	827	827	1	09/05/00	09/05/00
3405	OG-134-0005	1980.00	1980	1980	1	09/05/00	09/05/00
3406	OG-134-0002	684.00	684	684	1	09/06/00	09/06/00
3406	OG-134-0006	420.00	420	420	1	08/30/00	08/30/00
3501	OG-135-0002	229.00	229	229	1	09/06/00	09/06/00
3600	25	261.00	60	830	10	10/11/02	07/03/03
3600	OG-137-0001	216.00	216	216	1	09/07/00	09/07/00
3603	OG-137-Bm0.5	30.00	30	30	1	09/11/00	09/11/00
3604	OG-137-0003	70.00	70	70	1	09/11/00	09/11/00
3701	26	300.00	120	680	10	10/11/02	07/03/03
3701	OG-138-0001	519.00	519	519	1	09/06/00	09/06/00
3701	OG-138-0002	520.00	520	520	1	09/11/00	09/11/00
3701	OG-138-0003	74.00	74	74	1	09/07/00	09/07/00
3701	OG-138-0004	170.00	170	170	1	09/11/00	09/11/00
3702	27	435.00	90	1460	10	10/11/02	07/03/03
3702	OG-139-0001	485.00	485	485	1	09/06/00	09/06/00
3703	OG-139-0002	190.00	190	190	1	09/11/00	09/11/00
3705	OG-139-0004	35.00	35	35	1	09/11/00	09/11/00
3707	OG-139-0003	291.00	291	291	1	09/07/00	09/07/00

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
3300	19	40.00	30.0	70.0	9	10/11/02	07/03/03
3400	23	166.67	70.0	300.0	9	10/11/02	07/03/03
3600	25	40.00	30.0	50.0	3	10/11/02	07/03/03
3701	26	88.89	50.0	130.0	9	10/11/02	07/03/03
3702	27	71.11	30.0	190.0	9	10/11/02	07/03/03

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
3300	19	74.44	30.00	170.0	9	10/11/02	7/3/03
3300	OG-131-0003	60.00	60.00	60.0	1	9/6/00	9/6/00
3300	WVOG-131	50.00	50.00	50.0	1	9/6/00	9/6/00
3302	OG-131-0004	70.00	70.00	70.0	1	9/6/00	9/6/00
3303	OG-131-0001	90.00	90.00	90.0	1	9/6/00	9/6/00
3304	OG-131-F-1m	50.00	50.00	50.0	1	9/5/00	9/5/00
3304	OG-131-Fm	50.00	50.00	50.0	1	9/5/00	9/5/00
3306	OG-131-0007	60.00	60.00	60.0	1	9/5/00	9/5/00
3400	23	204.44	130.00	320.0	9	10/11/02	7/3/03
3400	OG-134-0001	74.00	74.00	74.0	1	9/5/00	9/5/00
3403	OG-134-0004	31.00	31.00	31.0	1	9/5/00	9/5/00
3405	OG-134-0005	908.00	908.00	908.0	1	9/5/00	9/5/00
3406	OG-134-0002	81.00	81.00	81.0	1	9/6/00	9/6/00
3406	OG-134-0006	70.00	70.00	70.0	1	8/30/00	8/30/00
3501	OG-135-0002	136.00	136.00	136.0	1	9/6/00	9/6/00
3600	25	78.00	40.00	170.0	5	10/11/02	7/3/03
3600	OG-137m	24.00	24.00	24.0	1	9/7/00	9/7/00
3603	OG-137-0002	50.00	50.00	50.0	1	9/11/00	9/11/00
3604	OG-137-Cm0.7	50.00	50.00	50.0	1	9/11/00	9/11/00
3701	26	99.00	30.00	160.0	10	10/11/02	7/3/03
3701	OG-138-0001	112.00	112.00	112.0	1	9/6/00	9/6/00
3701	OG-138-0002	180.00	180.00	180.0	1	9/11/00	9/11/00
3701	OG-138-0003	9.00	9.00	9.0	1	9/7/00	9/7/00
3701	OG-138-0004	89.00	89.00	89.0	1	9/11/00	9/11/00
3702	27	83.00	30.00	190.0	10	10/11/02	7/3/03
3702	OG-139-0001	108.00	108.00	108.0	1	9/6/00	9/6/00
3703	OG-139-0002	120.00	120.00	120.0	1	9/11/00	9/11/00
3705	OG-139-Cm	20.00	20.00	20.0	1	9/11/00	9/11/00
3707	OG-139-0003	18.00	18.00	18.0	1	9/7/00	9/7/00

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
No Data Available							

Table 3h. Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
3300	19	7.92	7.2	8.4	10	10/11/02	7/3/03
3300	WVOG-131	6.91	6.9	6.9	2	9/6/00	9/6/00
3301	OG-131-Bm	6.90	6.9	6.9	1	9/6/00	9/6/00
3302	OG-131-Cm	6.90	6.9	6.9	1	9/6/00	9/6/00
3304	OG-131-F-1m	6.90	6.9	6.9	1	9/5/00	9/5/00
3304	OG-131-Fm	6.90	6.9	6.9	1	9/5/00	9/5/00
3306	OG-131-F-2m	6.90	6.9	6.9	1	9/5/00	9/5/00
3400	23	7.59	7.2	8.4	10	10/11/02	7/3/03
3400	OG-134m0.3	6.87	6.9	6.9	1	9/5/00	9/5/00
3403	OG-134-Cm1	6.80	6.8	6.8	1	9/5/00	9/5/00
3405	OG-134-Dm	6.80	6.8	6.8	1	9/5/00	9/5/00
3406	OG-134-Em	6.80	6.8	6.8	1	8/30/00	8/30/00
3406	OG-134m7.8	6.84	6.8	6.8	1	9/6/00	9/6/00
3501	OG-135-Am	6.80	6.8	6.8	1	9/6/00	9/6/00
3600	25	6.95	6.4	7.7	10	10/11/02	7/3/03
3600	OG-137m	6.80	6.8	6.8	1	9/7/00	9/7/00
3603	OG-137-Bm0.5	6.80	6.8	6.8	1	9/11/00	9/11/00
3604	OG-137-Cm0.7	6.77	6.8	6.8	1	9/11/00	9/11/00
3701	26	8.17	7.7	8.5	10	10/11/02	7/3/03
3701	OG-138-Em	6.70	6.7	6.7	1	9/11/00	9/11/00
3701	OG-138m0.7	6.71	6.7	6.7	1	9/6/00	9/6/00
3701	OG-138m3.4	6.71	6.7	6.7	1	9/11/00	9/11/00
3701	OG-138m9.8	6.70	6.7	6.7	1	9/7/00	9/7/00
3702	27	7.40	6.8	8.2	10	10/11/02	7/3/03
3702	OG-139m0	6.67	6.7	6.7	1	9/6/00	9/6/00
3703	OG-139m3.1	6.60	6.6	6.6	1	9/11/00	9/11/00
3705	OG-139-Cm	6.58	6.6	6.6	1	9/11/00	9/11/00
3707	OG-139-Am	6.60	6.6	6.6	1	9/7/00	9/7/00

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
3400	OG-134-0001	1400.00	1400.0	1400.0	1	9/5/00	9/5/00
3403	OG-134-0004	480.00	480.0	480.0	1	9/5/00	9/5/00
3405	OG-134-0005	1.00	1.0	1.0	1	9/5/00	9/5/00
3406	OG-134-0002	73.00	73.0	73.0	1	9/6/00	9/6/00
3406	OG-134-0006	89.00	89.0	89.0	1	8/30/00	8/30/00
3501	OG-135-0002	52.00	52.0	52.0	1	9/6/00	9/6/00
3600	OG-137-0001	820.00	820.0	820.0	1	9/7/00	9/7/00
3701	OG-138-0001	1060.00	1060.0	1060.0	1	9/6/00	9/6/00
3701	OG-138-0002	360.00	360.0	360.0	1	9/11/00	9/11/00
3701	OG-138-0003	28.00	28.0	28.0	1	9/7/00	9/7/00
3701	OG-138-0004	4400.00	4400.0	4400.0	1	9/11/00	9/11/00
3702	OG-139-0001	490.00	490.0	490.0	1	9/6/00	9/6/00
3703	OG-139-0002	91000.00	91000.0	91000.0	1	9/11/00	9/11/00
3705	OG-139-0004	10.00	10.0	10.0	1	9/11/00	9/11/00
3707	OG-139-0003	2200.00	2200.0	2200.0	1	9/7/00	9/7/00
3300	WVOG-131	4400.00	4400.0	4400.0	1	9/6/00	9/6/00
3301	OG-131-Bm	20.00	20.0	20.0	1	9/6/00	9/6/00
3302	OG-131-Cm	2071.00	2071.0	2071.0	1	9/6/00	9/6/00
3304	OG-131-F-1m	1000.00	1000.0	1000.0	1	9/5/00	9/5/00
3304	OG-131-Fm	1589.00	1589.0	1589.0	1	9/5/00	9/5/00
3306	OG-131-F-2m	36.00	36.0	36.0	1	9/5/00	9/5/00
3603	OG-137-Bm0.5	20.00	20.0	20.0	1	9/11/00	9/11/00
3604	OG-137-Cm0.7	20.00	20.0	20.0	1	9/11/00	9/11/00

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
3300	WV0050521	766	766	3.20	0
3302	WV0001848	32	32	3.20	0
3303	WV0001848	482	482	3.20	0
3304	WV0001848	3,049	3,049	3.20	0
3307	WV1011979	123	123	3.20	0
3307	WV1012029	96	96	3.20	0
3307	WV1016245	188	188	3.20	0
3307	WV1016253	40	40	3.20	0
3307	WV1018604	125	125	3.20	0
3310	WV1011936	937	937	3.20	0
3402	WV0065633	480	480	3.20	0
3406	WV0050521	783	783	3.20	0
3406	WV1018884	1,226	1,226	3.20	0
3701	WV0001864	2,400	2,400	3.20	0
3701	WV1015389	6,844	6,844	3.20	0
3705	WV1000063	2,272	2,272	3.20	0
3706	WV1015397	1,188	1,188	3.20	0
3707	WV1000063	1,262	1,262	3.20	0
3400*	WVG640091	649.18	649.18	3.70	0
3406*	WV0115916	467.27	467.27	1.30	0
3701*	WVG640049	0.37	0.37	1.20	0

* Denotes actual Office of Water Resources Permit

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

SWS	NPDES Permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)	% Reduction
3300	WV0050521	462	462	2.00	0
3302	WV0001848	18	18	2.00	0
3303	WV0001848	261	261	2.00	0
3304	WV0001848	1,679	1,679	2.00	0
3307	WV1011979	74	74	2.00	0
3307	WV1012029	58	58	2.00	0
3307	WV1016245	113	113	2.00	0
3307	WV1016253	24	24	2.00	0
3307	WV1018604	75	75	2.00	0
3310	WV1011936	507	507	2.00	0
3402	WV0065633	260	260	2.00	0
3406	WV0050521	477	477	2.00	0
3406	WV1018884	746	746	2.00	0
3701	WV0001864	1,108	1,108	2.00	0
3701	WV1015389	3,159	3,159	2.00	0
3705	WV1000063	1,370	1,370	2.00	0
3706	WV1015397	521	521	2.00	0
3707	WV1000063	761	761	2.00	0
3406*	WV0115916	359.44	359.44	1.00	0

* Denotes actual Office of Water Resources Permit

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
3300	WV0050521	783	783	3.27	0
3302	WV0001848	33	33	3.27	0
3303	WV0001848	493	493	3.27	0
3304	WV0001848	3,116	3,116	3.27	0
3307	WV1011979	126	126	3.27	0
3307	WV1012029	99	99	3.27	0
3307	WV1016245	192	192	3.27	0
3307	WV1016253	41	41	3.27	0
3307	WV1018604	128	128	3.27	0
3310	WV1011936	958	958	3.27	0
3402	WV0065633	491	491	3.27	0
3406	WV0050521	800	800	3.27	0
3406	WV1018884	1,253	1,253	3.27	0
3701	WV0001864	2,452	2,452	3.27	0
3701	WV1015389	6,993	6,993	3.27	0
3705	WV1000063	2,322	2,322	3.27	0
3706	WV1015397	1,214	1,214	3.27	0
3707	WV1000063	1,290	1,290	3.27	0
3400*	WVG640091	131.59	131.59	0.75	0
3701*	WVG640049	0.11	0.11	0.37	0

* Denotes actual Office of Water Resources Permit

Table 5a. Iron baseline conditions and allocations (LAs) for nonpoint sources

* Other Nonpoint Sources include: Forest, Wetland, Agriculture, Pasture, and Urba

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)	
3300	1,248	1,248	0	0	101	101	0	0	7	7	2	2	610	610	
3301	0	0	0	0	17	17	0	0	0	0	294	294	41	41	
3302	543	543	0	0	290	290	0	0	0	0	255	255	1,105	1,105	
3303	523	31	0	0	442	442	5	5	69	69	7	7	3,188	3,188	x
3304	1,158	93	0	0	102	102	1	1	4	4	9	9	629	629	x
3305	244	15	0	0	25	25	0	0	0	0	0	0	120	120	x
3306	0	0	0	0	1	1	0	0	0	0	16	16	4	4	
3307	820	49	0	0	70	70	1	1	0	0	0	0	409	409	x
3308	0	0	0	0	24	24	3	3	0	0	44	44	36	36	
3309	1,982	119	0	0	92	92	0	0	0	0	0	0	685	685	x
3310	1,612	97	0	0	140	140	0	0	0	0	0	0	553	553	x
3400	0	0	2	2	67	67	0	0	118	118	0	0	129	129	
3401	0	0	341	341	26	26	5	5	65	65	0	0	143	143	
3402	1,775	1,775	0	0	91	91	0	0	0	0	0	0	591	591	
3403	0	0	0	0	57	57	11	11	0	0	64	64	187	187	
3404	0	0	0	0	8	8	1	1	82	82	0	0	13	13	
3405	0	0	0	0	14	14	1	1	25	25	0	0	85	85	
3406	2,461	148	0	0	359	359	6	6	476	476	11	11	3,417	3,417	x
3500	2,548	2,548	3	3	33	33	0	0	0	0	0	0	511	511	
3501	2,221	133	54	54	33	33	0	0	17	17	0	0	326	326	x
3502	0	0	54	54	14	14	0	0	60	60	0	0	1,017	1,017	
3600	754	754	25	25	17	17	0	0	396	396	378	378	51	51	
3601	0	0	0	0	8	8	7	7	0	0	33	33	104	104	
3602	284	284	452	452	72	72	1	1	0	0	3	3	1,126	1,126	
3603	0	0	0	0	57	57	22	22	0	0	87	87	257	257	
3604	0	0	0	0	96	96	26	26	0	0	0	0	265	265	
3700	0	0	0	0	1	1	0	0	0	0	18	18	7	7	
3701	20,339	1,220	0	0	665	665	2	2	797	797	85	85	3,729	3,729	x
3702	545	545	0	0	24	24	0	0	27	27	0	0	141	141	
3703	0	0	17	17	30	30	0	0	195	195	0	0	51	51	
3704	2,046	123	0	0	21	21	0	0	5	5	0	0	688	688	x
3705	2,371	142	302	302	93	93	0	0	60	60	2	2	835	835	x
3706	5,210	313	99	99	269	269	5	5	187	187	316	316	1,526	1,526	x
3707	785	47	1,708	615	297	297	3	3	145	145	0	0	2,955	2,955	x

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)	
3300	6,779	6,779	0	0	37	37	0	0	41	41	17	17	293	293	
3301	0	0	0	0	126	63	0	0	0	0	2,369	1,185	132	132	x
3302	3,815	3,815	0	0	167	167	0	0	0	0	2,273	2,273	645	645	
3303	4,543	4,543	0	0	370	370	49	49	389	389	64	64	1,882	1,882	
3304	8,294	5,806	0	0	39	39	6	6	25	25	78	78	333	333	x
3305	1,877	976	0	0	13	13	1	1	0	0	0	0	71	71	x
3306	0	0	0	0	0	0	0	0	0	0	19	19	11	11	
3307	6,334	3,230	0	0	66	66	10	10	0	0	0	0	242	242	x
3308	0	0	0	0	26	26	4	4	0	0	53	53	120	120	
3309	12,568	6,032	0	0	60	60	3	3	0	0	0	0	406	406	x
3310	8,461	4,907	0	0	65	65	1	1	0	0	0	0	327	327	x
3400	0	0	22	22	73	73	0	0	317	317	0	0	363	363	
3401	0	0	422	422	10	10	2	2	65	65	0	0	483	483	
3402	10,885	10,885	0	0	23	23	3	3	0	0	0	0	262	262	
3403	0	0	0	0	23	23	5	5	0	0	28	28	638	638	
3404	0	0	0	0	8	8	1	1	231	231	0	0	43	43	
3405	0	0	0	0	1,057	529	95	47	2,392	1,610	0	0	287	287	x
3406	16,671	333	0	0	888	755	403	343	18,509	17,671	653	555	2,124	2,124	x
3500	5,034	5,034	4	4	13	13	0	0	0	0	0	0	265	265	
3501	11,251	3,038	182	182	24	24	4	4	97	97	0	0	193	193	x
3502	0	0	61	61	4	4	1	1	126	126	0	0	577	577	
3600	14,759	295	356	21	1,221	305	0	0	66,708	16,677	30,247	7,562	153	153	x
3601	0	0	0	0	3	3	3	3	0	0	14	14	353	353	
3602	1,948	1,948	1,518	1,518	55	55	11	11	0	0	24	24	660	660	
3603	0	0	0	0	23	23	9	9	0	0	37	37	795	795	
3604	0	0	0	0	38	38	11	11	0	0	0	0	891	891	
3700	0	0	0	0	0	0	0	0	0	0	8	8	24	24	
3701	39,825	35,842	0	0	129	129	6	6	1,687	1,687	260	260	2,057	2,057	x
3702	1,091	1,091	0	0	4	4	0	0	58	58	0	0	71	71	
3703	0	0	83	83	34	34	0	0	522	522	0	0	166	166	
3704	14,102	5,926	0	0	15	15	1	1	30	30	0	0	392	392	x
3705	13,377	6,689	1,016	1,016	91	91	0	0	336	336	22	22	472	170	x
3706	38,444	13,455	331	331	243	243	42	42	1,056	1,056	2,824	2,824	893	893	x
3707	1,155	1,155	1,914	1,914	94	94	10	10	307	307	0	0	1,739	1,739	

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)	
3300	6,776	6,776	0	0	102	102	0	0	8	8	2	2	659	659	
3301	0	0	0	0	11	11	0	0	0	0	201	201	58	58	
3302	1,630	1,630	0	0	293	293	0	0	0	0	301	301	1,216	1,216	
3303	254	25	0	0	450	450	6	6	76	76	9	9	3,503	3,503	x
3304	3,242	324	0	0	102	102	1	1	5	5	10	10	686	686	x
3305	484	48	0	0	25	25	0	0	0	0	0	0	132	132	x
3306	0	0	0	0	0	0	0	0	0	0	11	11	5	5	
3307	1,603	160	0	0	71	71	1	1	0	0	0	0	449	449	x
3308	0	0	0	0	16	16	2	2	0	0	30	30	52	52	
3309	8,033	803	0	0	93	93	0	0	0	0	0	0	751	751	x
3310	9,212	921	0	0	142	142	0	0	0	0	0	0	606	606	x
3400	0	0	1	1	43	43	0	0	85	85	0	0	168	168	
3401	0	0	237	237	17	17	3	3	46	46	0	0	205	205	
3402	2,876	2,876	0	0	92	92	0	0	0	0	0	0	635	635	
3403	0	0	0	0	37	37	8	8	0	0	44	44	269	269	
3404	0	0	0	0	5	5	1	1	59	59	0	0	19	19	
3405	0	0	0	0	9	9	1	1	18	18	0	0	122	122	
3406	9,265	926	0	0	362	362	8	8	522	522	12	12	3,768	3,768	x
3500	13,616	13,616	1	1	33	33	0	0	0	0	0	0	556	556	
3501	13,101	1,310	11	11	33	33	1	1	19	19	0	0	358	358	x
3502	0	0	11	11	14	14	1	1	65	65	0	0	1,111	1,111	
3600	10,652	10,652	20	20	11	11	0	0	283	283	259	259	69	69	
3601	0	0	0	0	6	6	5	5	0	0	22	22	149	149	
3602	929	929	95	95	73	73	1	1	0	0	3	3	1,235	1,235	
3603	0	0	0	0	38	38	15	15	0	0	60	60	356	356	
3604	0	0	0	0	63	63	18	18	0	0	0	0	379	379	
3700	0	0	0	0	1	1	0	0	0	0	13	13	10	10	
3701	111,686	11,169	0	0	672	672	2	2	871	871	100	100	4,079	4,079	x
3702	2,795	2,795	0	0	25	25	0	0	30	30	0	0	153	153	
3703	0	0	11	11	20	20	0	0	139	139	0	0	71	71	
3704	6,582	658	0	0	21	21	0	0	6	6	0	0	752	752	x
3705	8,505	851	64	64	95	95	0	0	65	65	3	3	913	913	x
3706	12,899	1,290	21	21	274	274	6	6	205	205	374	374	1,679	1,679	x
3707	2,794	279	363	145	303	303	4	4	159	159	0	0	3,249	3,249	x

Table 6. Fecal Coliform basline 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)
3300	Barkers Creek	1.89E+13	1.32E+13	1.03E+13	1.03E+13	1.26E+14	0.00E+00	1.72E+13	1.20E+13
3400	Slab Fork	1.09E+13	7.64E+12	1.07E+13	1.07E+13	1.65E+14	0.00E+00	1.98E+13	1.39E+13
3500	Allen Creek	2.05E+12	1.44E+12	2.52E+12	2.52E+12	3.89E+13	0.00E+00	1.49E+12	1.04E+12
3600	Devils Fork	1.41E+13	9.90E+12	6.59E+12	6.59E+12	1.20E+14	0.00E+00	4.05E+12	2.84E+12
3700	Winding Gulf	3.08E+13	2.15E+13	1.52E+13	1.52E+13	5.45E+14	0.00E+00	2.23E+13	1.56E+13