

Appendix A-8

Region 8

Metals and pH TMDLs for the Monongahela Watershed

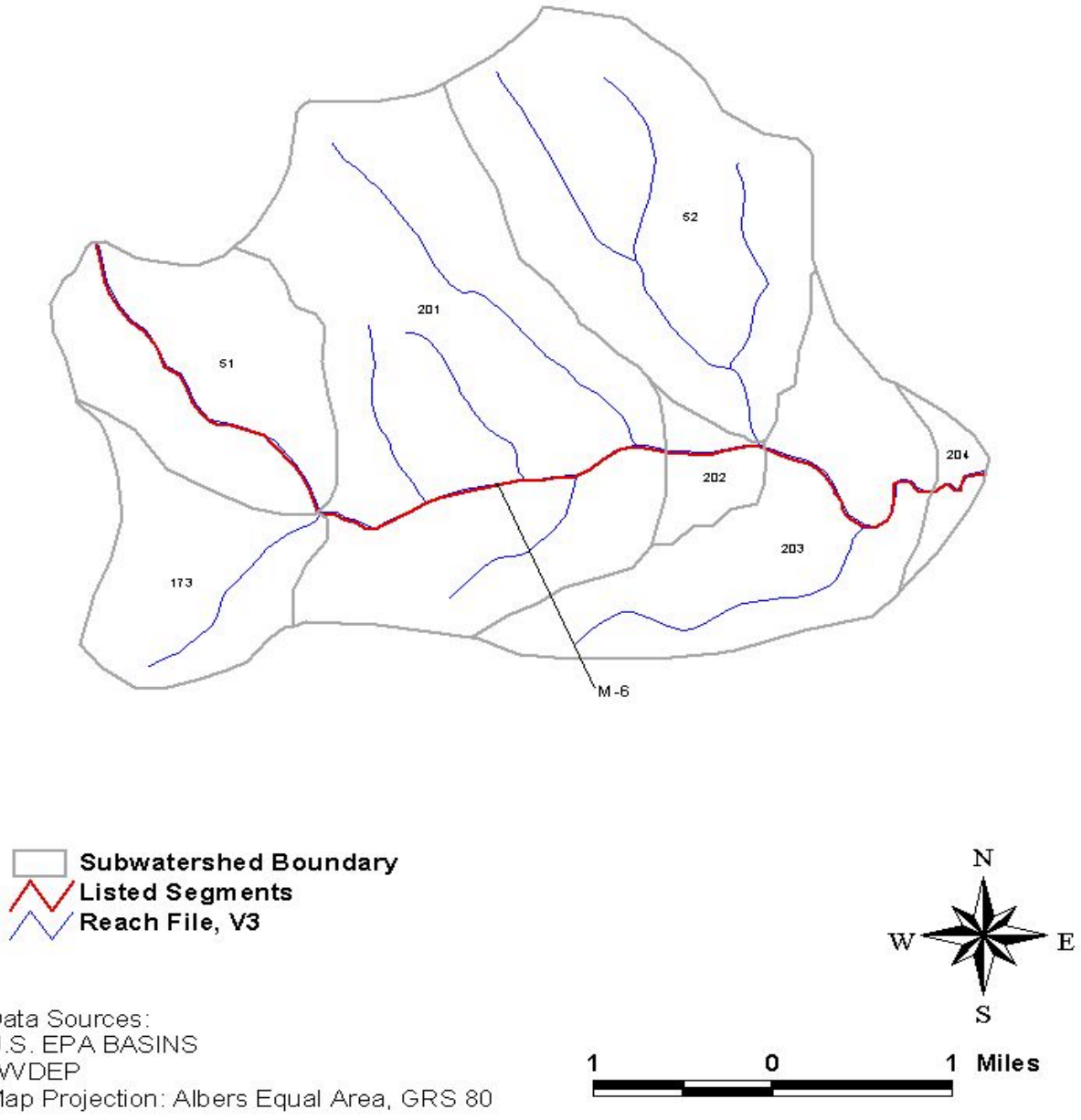


Figure 1. Region 8 - Scotts Run

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Table 1. Impaired waterbodies in Region 8

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Aquatic Life
Scotts Run	M-6	Al, Fe, Mn	51,52,173,201,202,203,204	NA	x

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

SWS
51
52
173
201
203

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Table 3a. Water quality data for aluminum

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
203	550563	11321.43	2000	68800	14	07/09/74	06/13/78

Table 3b. Water quality data for iron

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
203	393912080015201	280.00	280	280	2	06/04/84	06/04/84
203	550563	25465.00	4200	160000	28	07/09/74	06/13/78

Table 3c. Water quality data for manganese

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
203	393912080015201	30.00	30	30	2	06/04/84	06/04/84
203	550563	1268.86	84	3220	28	07/09/74	06/13/78

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

SWS	Article 3 permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)
201	s103390	419	126	1.3
201	s001780	332	100	1.3
201	s102192	679	204	1.3
201	s100200	1230	370	1.3
201	s101688	2498	1250	2.2
202	s001780	129	65	2.2
202	s103690	1018	509	2.2
202	s103390	158	79	2.2
202	s102192	258	129	2.2
202	s101688	227	114	2.2
203	u005383	11	11	4.3
203	s001780	303	121	1.7
203	s102192	621	249	1.7
203	s100495	3479	1394	1.7
203	s103390	390	156	1.7
204	s100297	1035	518	2.2
204	s100594	305	153	2.2
204	l066300	30	18	2.6
51	p100500	32	32	4.3
52	S102088	201	121	2.6
52	s103489	935	561	2.6
52	s101688	457	274	2.6
52	s005580	166	100	2.6
52	S011775	637	383	2.6

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

SWS	Article 3 permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)
52	S102088	152	152	3.2
52	s103489	705	705	3.2
201	s103390	316	316	3.2
201	s001780	250	250	3.2
201	s102192	512	512	3.2
202	s001780	97	97	3.2
202	s103690	768	768	3.2
202	s103390	119	119	3.2
202	s102192	195	195	3.2
203	s001780	229	229	3.2
203	s102192	468	468	3.2
203	s100495	2625	2625	3.2
203	s103390	294	294	3.2
204	s100297	775	775	3.2
204	s100594	228	228	3.2
204	l066300	23	23	3.2
51	p100500	29	29	3.2
52	p100300	0	0	3.2
52	s101688	341	341	3.2
52	s005580	124	124	3.2
52	S011775	475	475	3.2
201	s101688	1863	1863	3.2
202	s101688	169	169	3.2

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201	s100200	928	928	3.2
203	u005383	8	8	3.2

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

SWS	Article 3 permit ID	Baseline (lb/yr)	Allocation (lb/yr)	Allocation (mg/L)
52	S102088	116	116	2
52	s103489	541	541	2
201	s103390	242	242	2
201	s001780	192	192	2
201	s102192	392	392	2
202	s001780	75	75	2
202	s103690	589	589	2
202	s103390	91	91	2
202	s102192	149	149	2
203	s001780	175	97	1.1
203	s102192	359	199	1.1
203	s100495	2012	1116	1.1
203	s103390	225	125	1.1
204	s100297	549	549	2
204	s100594	162	162	2
204	I066300	14	14	2
51	p100500	26	26	2
52	s101688	213	213	2
52	s005580	77	77	2
52	S011775	297	297	2
201	s101688	1162	1162	2
202	s101688	106	106	2
201	s100200	711	711	2
203	u005383	5	5	2

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

SWS	AML		Nonpoint Source		Revoked Mines		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)	
173	582	1	553	553	0	0	x
201	251,790	252	1,977	1,977	153,669	154	x
202	0	0	100	100	0	0	
203	303,499	303	909	909	0	0	x
204	2,332	2	57	57	0	0	x
51	141,486	141	769	769	0	0	x
52	2,170	2	1,295	1,295	333	0	x

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

SWS	AML		Nonpoint Source		Revoked Mines		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)	
173	359	18	3,660	3,660	0	0	x
201	153,256	153	12,347	12,347	93,533	94	x
202	0	0	367	367	0	0	
203	185,327	185	4,271	4,271	0	0	x
204	1,751	2	124	124	0	0	x
51	86,099	1,551	5,271	5,271	0	0	x
52	1,328	48	8,302	8,302	285	121	x

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

SWS	AML		Nonpoint Source		Revoked Mines		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)	
173	32	32	262	262	0	0	
201	14,564	291	986	986	8,888	178	x
202	0	0	59	59	0	0	
203	17,243	172	491	491	0	0	x
204	34	14	35	35	0	0	x
51	8,136	3,661	357	357	0	0	x
52	424	424	626	626	126	126	