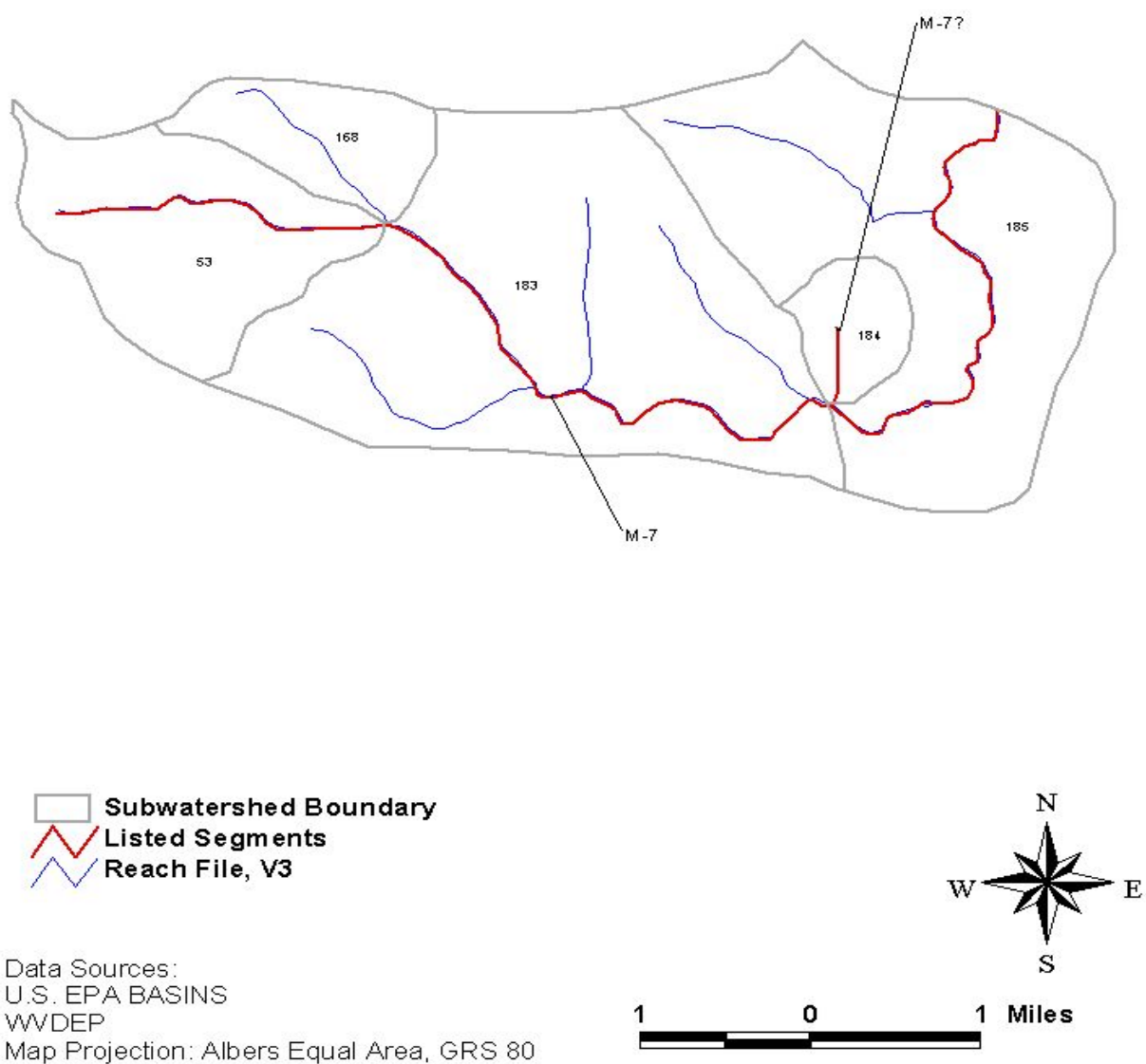


# **Appendix A-7**

## **Region 7**

**Metals and pH TMDLs for the Monongahela Watershed**



**Figure 1. Region 7- Dents Run**

**Metals and pH TMDLs for the Monongahela Watershed**

**Table 1.** Impaired waterbodies in Region 7

<b>Stream Name</b>	<b>Stream Code</b>	<b>Pollutant</b>	<b>Contributing SWS</b>	<b>Contributing Regions</b>	<b>Aquatic Life</b>
Dents Run	M-7	Al, Fe, Mn	53, 168, 183, 184, 185	NA	x

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

<b>SWS</b>
183
184
185

**Metals and pH TMDLs for the Monongahela Watershed**

**Table 3a.** Water quality data for aluminum  
not applicable in this region

**Table 3b.** Water quality data for iron

<b>SWS</b>	<b>WQ Station</b>	<b>Avg (ug/L)</b>	<b>Min (ug/L)</b>	<b>Max (ug/L)</b>	<b>Count</b>	<b>Start Date</b>	<b>End Date</b>
183	393759080024501	590.00	180	1000	4	06/04/84	08/06/84
183	393803080015501	1280.00	260	2300	4	06/04/84	08/07/84

**Table 3c.** Water quality data for manganese

<b>SWS</b>	<b>WQ Station</b>	<b>Avg (ug/L)</b>	<b>Min (ug/L)</b>	<b>Max (ug/L)</b>	<b>Count</b>	<b>Start Date</b>	<b>End Date</b>
183	393759080024501	13000.00	12000	14000	4	06/04/84	08/06/84
183	393803080015501	7950.00	7600	8300	4	06/04/84	08/07/84

**Metals and pH TMDLs for the Monongahela Watershed**

**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)
53	s100698	2221	2221	4.3
168	s102192	80	80	4.3
168	s001780	40	40	4.3
168	s103390	54	54	4.3
183	s008080	1014	661	2.8
183	s103891	408	266	2.8
183	s100500	1211	789	2.8
183	s011482	380	248	2.8
183	s100895	2873	1872	2.8
183	s102192	352	229	2.8
183	s001780	169	110	2.8
183	s102088	127	83	2.8
183	s103390	225	147	2.8
185	s100894	267	267	4.3
183	o003485	1039	677	2.8
185	o102292	3183	3183	4.3
185	o008482	28	28	4.3
185	p101499	14	14	4.3
183	Z007781	1044	680	2.8
183	s005876	1118	729	2.8
53	u005383	24	7	1.2
168	u005383	275	275	4.3
183	u005383	2496	1627	2.8
185	u005383	43	21	2.1

**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)
53	s100698	1796	1796	3.2
168	s102192	65	65	3.2
168	s001780	32	32	3.2
168	s103390	43	43	3.2
183	s008080	820	820	3.2
183	s103891	330	330	3.2
183	s100500	979	979	3.2
183	s011482	307	307	3.2
183	s100895	2322	2322	3.2
183	s102192	285	285	3.2
183	s001780	137	137	3.2
183	s102088	102	102	3.2
183	s103390	182	182	3.2
185	s100894	216	216	3.2
183	o003485	1714	1714	3.2
185	o102292	5252	5252	3.2
185	o008482	46	46	3.2

**Metals and pH TMDLs for the Monongahela Watershed**

185	p101499	23	23	3.2
183	Z007781	787	787	3.2
183	s005876	843	843	3.2

**Metals and pH TMDLs for the Monongahela Watershed**

53	u005383	18	18	3.2
168	u005383	209	209	3.2
183	u005383	1902	1902	3.2
185	u005383	32	32	3.2

**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)
53	s100698	1477	1477	2
168	s102192	53	53	2
168	s001780	27	27	2
168	s103390	36	36	2
183	s008080	674	674	2
183	s103891	272	272	2
183	s100500	805	805	2
183	s011482	253	253	2
183	s100895	1910	1910	2
183	s102192	234	234	2
183	s001780	112	112	2
183	s102088	84	84	2
183	s103390	150	150	2
185	s100894	178	178	2
183	o003485	1448	1448	2
185	o102292	4436	4436	2
185	o008482	39	39	2
185	p101499	20	20	2
183	Z007781	491	491	2
183	s005876	526	526	2
53	u005383	11	11	2
168	u005383	131	131	2
183	u005383	1190	1190	2
185	u005383	20	20	2

**Metals and pH TMDLs for the Monongahela Watershed**

**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)	
168	0	0	241	215	13	12	x
183	666	3	1362	1237	1388	145	x
184	542	5	121	114	715	550	x
185	1306	653	1903	1830	1175	1175	x
53	88	9	575	518	0	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)	
168	0	0	1,250	1,250	70	70	
183	22,463	3,145	6,398	6,398	1,134	1,134	x
184	19,813	40	431	431	803	727	x
185	47,087	3,296	5,576	5,576	944	944	x
53	2,423	2,423	2,845	2,845	0	0	

**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)	
168	0	0	99	99	5	5	
183	3,093	773	612	612	805	805	x
184	2,669	13	66	66	484	417	x
185	6,378	2,806	1,059	1,059	658	658	x
53	408	408	249	249	0	0	