Appendix A-8

Region 8

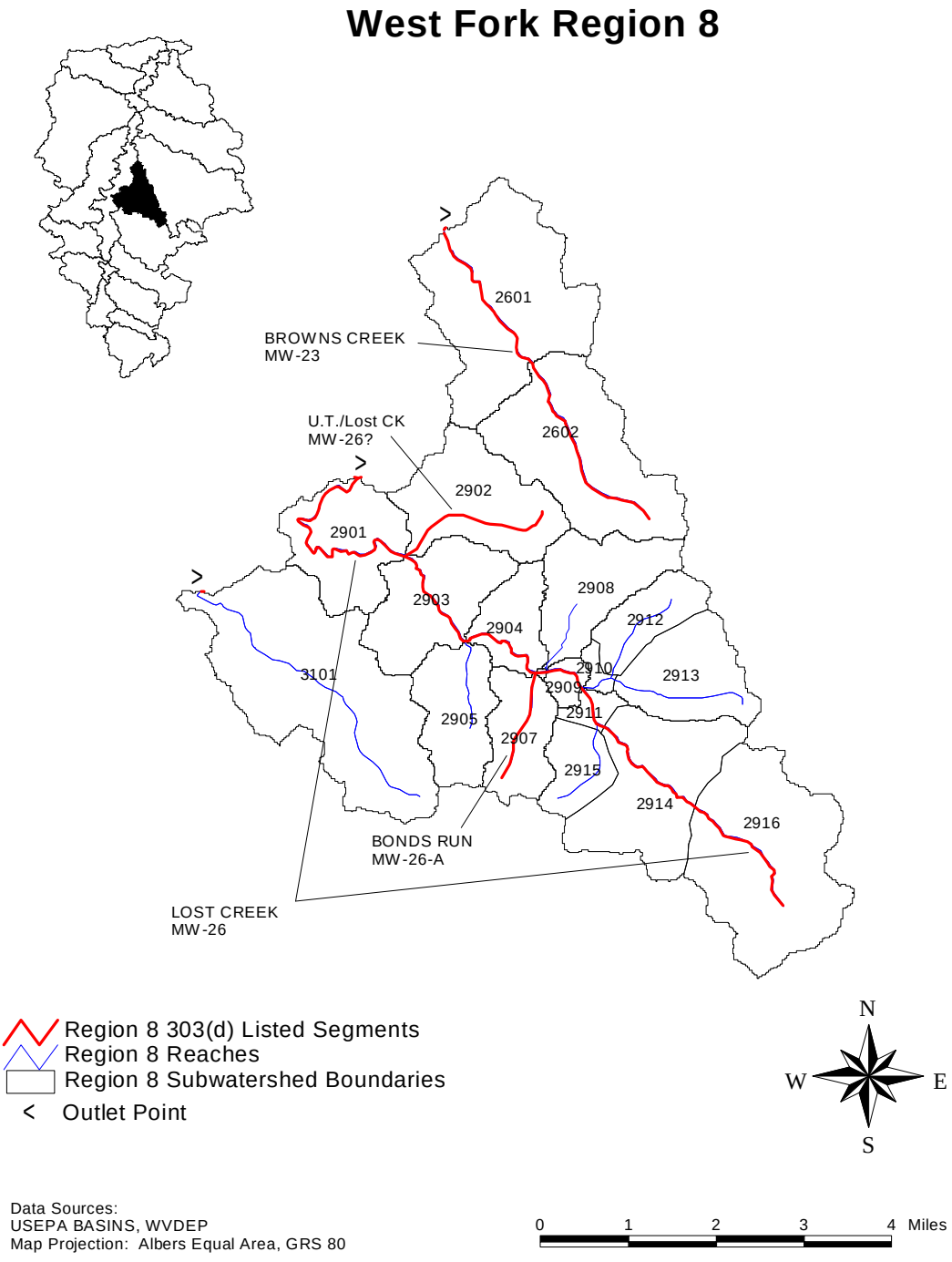

Figure 1. Region 8 - West Fork watershed

Table 1. Impaired waterbodies in Region 8

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Aquatic Life
Browns Creek	MW-23	pH, Metals	2601, 2602		Aquatic Life
Lost Creek	MW-26	Metals	2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916		Aquatic Life
Lost Creek: UT#1	MW-26?a	Metals	2902		Aquatic Life
Bonds Run	MW-26-A	Metals	2907		Aquatic Life

T = Aquatic Life Trout Waters

W = Warm Water Fishery

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

SWS
2601
2602
2901
2902
2903
2904
2905
2907
2908
2914
2916
3101

Table 3a. Water quality data for aluminum

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2601	MW-023-0001	60	60	60	1	8/16/2000	8/16/2000
2602	WVMW-23_STA2	2860	2860	2860	1	3/21/2001	3/21/2001
2901	MW-026-0001	140	80	200	2	8/17/2000	8/9/2000
2902	WVMW-26-0.5A_STA7	82	82	82	1	3/20/2001	3/20/2001
2903	21WV7IWQ_550595	1276.615	240	7600	13	6/14/1978	3/14/1978
2904	WVMW-26-A_STA9	50	50	50	1	8/8/2000	8/8/2000
2916	WVMW-26_STA1	117.5	100	135	2	8/8/2000	3/20/2001
3101	WVMW-28_STA1	90	90	90	1	8/16/2000	8/16/2000

Table 3b. Water quality data for iron

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2601	MW-023-0001	740	740	740	1	8/16/2000	8/16/2000
2602	WVMW-23_STA2	2680	2680	2680	1	3/21/2001	3/21/2001
2901	MW-026-0001	305	230	380	2	8/9/2000	8/17/2000
2902	WVMW-26-0.5A_STA7	138	138	138	1	3/20/2001	3/20/2001
2903	21WV7IWQ_550595	3820.25	720	12600	20	9/21/1976	3/9/1976
2904	WVMW-26-A_STA9	190	190	190	1	8/8/2000	8/8/2000
2914	112WRD_390749080205701	305	300	310	2	5/21/1984	8/6/1984
2916	WVMW-26_STA1	441.5	263	620	2	8/8/2000	3/20/2001
3101	WVMW-28_STA1	150	150	150	1	8/16/2000	8/16/2000

Table 3c. Water quality data for manganese

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2601	MW-023-0001	340.00	340	340	1	08/16/00	08/16/00
2602	WVMW-23_STA2	101.00	101	101	1	03/21/01	03/21/01
2901	MW-026-0001	140.00	90	190	2	08/09/00	08/17/00
2902	WVMW-26-0.5A_STA7	172	172	172	1	3/20/2001	3/20/2001
2903	21WV7IWQ_550595	1392.647	242	3400	17	9/13/1977	3/9/1976
2904	WVMW-26-A_STA9	40	40	40	1	8/8/2000	8/8/2000
2914	112WRD_390749080205701	160	150	170	2	5/21/1984	8/6/1984
2916	WVMW-26_STA1	134.5	120	149	2	8/8/2000	3/20/2001
3101	WVMW-28_STA1	80	80	80	1	8/16/2000	8/16/2000

Table 3d. Water quality data for Total Nonfilterable Residue

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2601	MW-023-0001	1	1	1	1	8/16/2000	8/16/2000
2602	WVMW-23_STA2	43	43	43	1	3/21/2001	3/21/2001
2901	MW-026-0001	1	1	1	2	8/17/2000	8/9/2000
2902	WVMW-26-0.5A_STA7	1	1	1	1	3/20/2001	3/20/2001
2903	21WV7IWQ_550595	41.30769	5	224	13	6/15/1976	12/15/1976
2904	WVMW-26-A_STA9	1	1	1	1	8/8/2000	8/8/2000
2916	WVMW-26_STA1	2.1	1	3.2	2	8/8/2000	3/20/2001
3101	WVMW-28_STA1	1	1	1	1	8/16/2000	8/16/2000

Table 3e. Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2601	MW-023-0001	7.84	7.84	7.84	1	8/16/2000	8/16/2000
2602	WVMW-23_STA2	7.66	7.66	7.66	1	3/21/2001	3/21/2001
2901	MW-026-0001	7.885	7.81	7.96	2	8/9/2000	8/17/2000
2902	WVMW-26-0.5A_STA7	7.99	7.99	7.99	1	3/20/2001	3/20/2001
2903	21WV7IWQ_550595	6.305263	3.9	7.6	19	6/23/1975	6/25/1959
2904	WVMW-26-A_STA9	7.88	7.88	7.88	1	8/8/2000	8/8/2000
2914	112WRD_390749080205701	8.55	8.4	8.7	2	5/21/1984	8/6/1984
2916	WVMW-26_STA1	8.185	8.14	8.23	2	8/8/2000	3/20/2001
3101	WVMW-28_STA1	7.89	7.89	7.89	1	8/16/2000	8/16/2000

Table 3f. Water quality data for dissolved zinc

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
2914	112WRD_390749080205701	7	7	7	1	8/6/1984	8/6/1984

Table 4a. 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
2901	WV1011570	11	11	4.60	0
2901	WV1011596	191	191	4.60	0
2902	WV1011596	700	700	4.60	0
2903	WV1011570	61	61	4.60	0
2905	WV0098761	367	367	4.60	0
2905	WV1011570	28	28	4.60	0
3101	WV0067571	572	572	4.60	0
3101	WV0098761	363	363	4.60	0
3101	WV1011570	44	44	4.60	0

Table 4b. 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
2901	WV1011570	8	8	3.20	0
2901	WV1011596	132	132	3.20	0
2902	WV1011596	483	483	3.20	0
2903	WV1011570	42	42	3.20	0
2905	WV0098761	254	254	3.20	0
2905	WV1011570	19	19	3.20	0
3101	WV0067571	395	395	3.20	0
3101	WV0098761	250	250	3.20	0
3101	WV1011570	30	30	3.20	0

Table 4c. 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
2901	WV1011570	5	5	2.00	0
2901	WV1011596	85	85	2.00	0
2902	WV1011596	310	310	2.00	0
2903	WV1011570	27	27	2.00	0
2905	WV0098761	163	163	2.00	0
2905	WV1011570	12	12	2.00	0
3101	WV0067571	253	253	2.00	0
3101	WV0098761	161	161	2.00	0
3101	WV1011570	19	19	2.00	0

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

SWS	AML		Revoked Mines		Nonpoint Source		
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	**Requires Reduction**
2601	10,300	1,030	0	0	815	815	x
2602	2,759	552	0	0	716	716	x
2901	896	896	68	68	364	364	
2902	6,379	191	0	0	405	405	x
2903	8,258	826	136	14	317	317	x
2904	331	331	0	0	195	195	
2905	1,228	1,228	0	0	282	282	
2906	0	0	0	0	3	3	
2907	307	307	0	0	248	248	
2908	129	129	0	0	360	360	
2909	0	0	0	0	59	59	
2910	0	0	0	0	32	32	
2911	0	0	0	0	53	53	
2912	0	0	0	0	197	197	
2913	0	0	0	0	346	346	
2914	31	31	0	0	565	565	
2915	0	0	0	0	180	180	
2916	2,052	2,052	0	0	808	808	
3101	4,285	643	136	20	1,019	1,019	x

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

SWS	AML		Revoked Mines		Nonpoint Source		
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	**Requires Reduction**
2601	35,611	2,849	0	0	1,674	1,674	x
2602	9,540	1,431	0	0	1,445	1,445	x
2901	3,210	3,210	47	47	727	727	
2902	22,053	882	0	0	833	833	x
2903	29,593	2,071	93	7	626	626	x
2904	1,187	1,187	0	0	391	391	
2905	4,401	4,401	0	0	581	581	
2906	0	0	0	0	5	5	
2907	1,099	1,099	0	0	487	487	
2908	464	464	0	0	669	669	
2909	0	0	0	0	103	103	
2910	0	0	0	0	63	63	
2911	0	0	0	0	105	105	
2912	0	0	0	0	398	398	
2913	0	0	0	0	717	717	
2914	113	113	0	0	1,137	1,137	
2915	0	0	0	0	348	348	
2916	7,354	5,148	0	0	1,663	1,663	x
3101	15,356	1,536	93	9	2,056	2,056	x

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

SWS	AML		Revoked Mines		Nonpoint Source		
	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	Baseline Load (lb/yr)	Allocated Load (lb/yr)	**Requires Reduction**
2601	6,176	1,853	0	0	649	649	x
2602	1,655	1,324	0	0	576	576	x
2901	569	569	30	30	316	316	
2902	3,825	1,339	0	0	321	321	x
2903	5,246	1,836	60	21	277	277	x
2904	210	210	0	0	169	169	
2905	780	780	0	0	240	240	
2906	0	0	0	0	3	3	
2907	195	195	0	0	218	218	
2908	82	82	0	0	326	326	
2909	0	0	0	0	55	55	
2910	0	0	0	0	27	27	
2911	0	0	0	0	45	45	
2912	0	0	0	0	170	170	
2913	0	0	0	0	294	294	
2914	20	20	0	0	488	488	
2915	0	0	0	0	160	160	
2916	1,304	1,304	0	0	687	687	
3101	2,722	1,089	60	24	880	880	x