Appendix A-3
Region 3

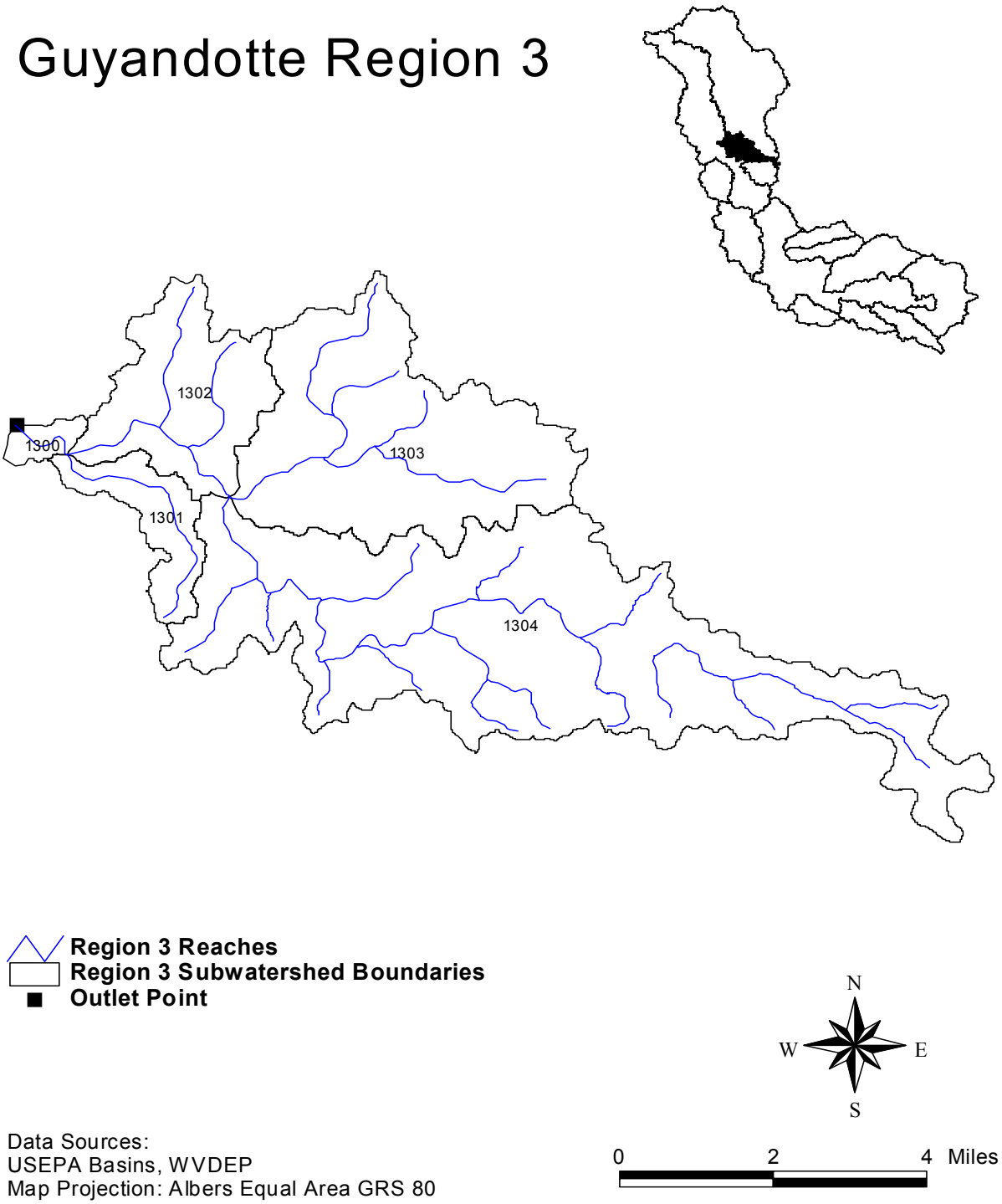

Figure 1. Region 3 - Guyandotte Watershed

Table 1. Impaired waterbodies in Region 3

Stream Name	Stream Code	Pollutant	Contributing SWS	Contributing Regions	Affected Use
Not Applicable to this Region					

T = Aquatic Life Trout Waters

W = Warm Water Fishery

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

SWS
**Not
Applicable
to
this
Region**

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
1300	87	76.38	21	280	8	09/24/02	07/16/03

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
1300	87	164.22	34	500	9	09/24/02	07/16/03
1300	OG-38m0.8	141.00	141	141	1	05/19/98	05/19/98
1301	OG-38-Am	68.60	68.6	68.6	1	05/19/98	05/19/98
1303	OG-38-Dm3.9	570.00	570	570	1	05/18/98	05/18/98
1303	OG-38-Dm4.5	810.00	810	810	1	05/18/98	05/18/98
1304	OG-38m11.6	70.10	70.1	70.1	1	05/19/98	05/19/98

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
1300	87	195.00	90	440	8	09/24/02	07/16/03

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
1300	87	391.00	260	760	10	09/24/02	07/16/03
1300	OG-38m0.8	438.00	438	438	1	05/19/98	05/19/98
1301	OG-38-Am	211.00	211	211	1	05/19/98	05/19/98
1303	OG-38-Dm3.9	140.00	140	140	1	05/18/98	05/18/98
1303	OG-38-Dm4.5	140.00	140	140	1	05/18/98	05/18/98
1304	OG-38m11.6	184.00	184	184	1	05/19/98	05/19/98

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
1300	87	90.00	30	170.0	4	09/24/02	07/16/03

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
1300	87	86.25	30.00	330.0	8	9/24/2002	7/16/2003
1300	OG-38m0.8	33.80	33.80	33.8	1	5/19/1998	5/19/1998
1301	OG-38-Am	28.80	28.80	28.8	1	5/19/1998	5/19/1998
1303	OG-38-Dm3.9	20.00	20.00	20.0	1	5/18/1998	5/18/1998
1303	OG-38-Dm4.5	20.00	20.00	20.0	1	5/18/1998	5/18/1998
1304	OG-38m11.6	19.90	19.90	19.9	1	5/19/1998	5/19/1998

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 available data							

Table 3h. Water quality data for pH

SWS	WQ Station	Avg (ug/L)	Min (ug/L)	Max (ug/L)	Count	Start Date	End Date
1300	87	6.83	6.4	8.0	10	9/24/2002	7/16/2003
1300	OG-38m0.8	8.14	8.1	8.1	1	5/19/1998	5/19/1998
1301	OG-38-Am	8.12	8.1	8.1	1	5/19/1998	5/19/1998
1303	OG-38-Dm3.9	8.12	8.1	8.1	1	5/18/1998	5/18/1998
1303	OG-38-Dm4.5	8.11	8.1	8.1	1	5/18/1998	5/18/1998
1304	OG-38-Gm	8.10	8.1	8.1	1	5/19/1998	5/19/1998
1304	OG-38-K.7m	8.10	8.1	8.1	1	5/19/1998	5/19/1998
1304	OG-38-K-5m	8.09	8.1	8.1	1	5/19/1998	5/19/1998
1304	OG-38-Km	8.10	8.1	8.1	1	5/19/1998	5/19/1998
1304	OG-38m11.6	8.13	8.1	8.1	1	5/19/1998	5/19/1998

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
1300	OG-38m0.8	110.00	110.0	110.0	1	5/19/1998	5/19/1998
1301	OG-38-Am	83.00	83.0	83.0	1	5/19/1998	5/19/1998
1303	OG-38-Dm3.9	44.00	44.0	44.0	1	5/18/1998	5/18/1998
1303	OG-38-Dm4.5	33.00	33.0	33.0	1	5/18/1998	5/18/1998
1304	OG-38-Gm	50.00	50.0	50.0	1	5/19/1998	5/19/1998
1304	OG-38-K.7m	500.00	500.0	500.0	1	5/19/1998	5/19/1998
1304	OG-38-K-5m	160.00	160.0	160.0	1	5/19/1998	5/19/1998
1304	OG-38-Km	800.00	800.0	800.0	1	5/19/1998	5/19/1998
1304	OG-38m11.6	160.00	160.0	160.0	1	5/19/1998	5/19/1998

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

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

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

* No mining permits exist in this region

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)	
1300	0	0	0	0	13	13	1	1	0	0	20	20	14	14	
1301	0	0	0	0	42	42	6	6	0	0	4	4	59	59	
1302	0	0	0	0	65	65	24	24	0	0	488	488	142	142	
1303	0	0	0	0	99	99	64	64	14	14	990	990	315	315	
1304	0	0	0	0	181	181	98	98	104	104	3,789	3,789	553	553	

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)	
1300	0	0	0	0	4	4	0	0	0	0	7	7	49	49	
1301	0	0	0	0	14	14	2	2	0	0	2	2	199	199	
1302	0	0	0	0	22	22	8	8	0	0	171	171	474	474	
1303	0	0	0	0	33	33	22	22	12	12	347	347	1,048	1,048	
1304	0	0	0	0	64	64	37	37	102	102	1,429	1,429	1,840	1,840	

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)	
1300	0	0	0	0	8	8	1	1	0	0	13	13	21	21	
1301	0	0	0	0	28	28	4	4	0	0	3	3	85	85	
1302	0	0	0	0	43	43	16	16	0	0	333	333	203	203	
1303	0	0	0	0	66	66	44	44	10	10	676	676	452	452	
1304	0	0	0	0	119	119	68	68	76	76	2,613	2,613	819	819	

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)
1300	Big Ugly Creek	5.64E+12	3.95E+12	8.23E+12	8.23E+12	1.25E+14	0.00E+00	0.00E+00	0.00E+00