

Table 20  
Stream Water Quality  
Lower Blacklick Creek

Location ID	Name	Beginning Sample Date	Ending Sample Date	Flow	Average pH	Number of pH Samples	Number of Al Samples	Average Al	Number of Iron Samples	Average Iron	Number of Mn Samples	Average Mn	Number of Sulfate Samples	Average Sulfate	Number of Acidity Samples	Average Acidity	Total Average
LBC-013	Weirs Run	6/1/2002	6/1/2002		7.84	1	1	0.10	1	0.05	1	0.05	1	358.00	1	1.00	71.84
LBC-012	Twolick Creek	6/1/2002	6/1/2002		4.93	1	1	1.51	1	2.14	1	0.88	1	282.00	1	11.00	59.51
LBC-015	Steward Run	6/1/2002	6/1/2002	561.00	6.81	1	1	0.23	1	0.32	1	0.07	1	52.00	1	1.00	10.72
LBC-014	Muddy Run	6/1/2002	6/1/2002		7.63	1	1	0.16	1	0.16	1	0.03	1	51.00	1	1.00	10.47
LBC-016	Grays Run	6/1/2002	6/1/2002	234.00	6.80	1	1	0.46	1	0.58	1	0.08	1	22.70	1	1.00	4.96

Table 21  
 Discharge Water Quality Rankings  
 Lower Blacklick Creek

Location ID	Name	Beginning Sample Date	Ending Sample Date	Flow	Average pH	Number of pH Samples	pH Rank	Number of Al Samples	Average Al	Al Rank Factor	Al Rank	Number of Iron Samples	Average Iron	Iron Rank Factor	Iron Rank	Number of Mn Samples	Average Mn	Mn Rank Factor	Mn Rank	Number of Sulfate Samples	Average Sulfate	Sulfate Rank Factor	Sulfate Rank	Number of Acidity Samples	Average Acidity	Acidity Rank Factor	Acidity Rank	FINAL AVERAGE RANK
LBC-008	Drift mine	10/18/1973	9/4/1974	15.93	2.86	12	4	1	32.3	32.3	1	12	38.13	38.13	2					12	1174.92	1174.92	1	12	505.17	505.17	1	1.80
LBC-006	Drift mine	11/16/1973	6/11/1974	6.89	2.83	8	2					8	35.60	35.60	3					8	903.13	903.13	3	8	444.75	444.75	2	2.50
LBC-001	Drift Mine	10/17/1973	9/4/1974	24.78	2.79	9	1					9	141.90	141.90	1					9	750.00	750.00	5	9	388.67	388.67	4	2.75
LBC-010	Drift Mine	10/23/1973	6/11/1974	10.39	2.89	9	5					9	23.03	23.03	5					9	758.56	758.56	4	9	421.78	421.78	3	4.25
LBC-004	2 Drift Mines	10/18/1973	9/4/1974	2.94	2.84	8	3					8	23.75	23.75	4					8	612.50	612.50	7	8	379.25	379.25	5	4.75
LBC-007	Drift mine	10/22/1973	9/4/1974	34.87	3.04	12	6					12	10.76	10.76	6					12	993.67	993.67	2	12	361.67	361.67	6	5.00
LBC-005	Strip mine	10/23/1973	6/11/1974	15.25	3.39	9	9					9	9.59	9.59	7					9	511.00	511.00	8	9	293.11	293.11	7	7.75
LBC-002	2 Drift Mines	10/17/1973	9/4/1974	50.76	3.26	9	8					9	1.54	1.54	9					9	622.44	622.44	6	9	144.22	144.22	9	8.00
LBC-003	Drift Mine	10/18/1973	9/4/1974	6.61	3.09	11	7					11	6.03	6.03	8					11	327.27	327.27	9	11	161.82	161.82	8	8.00

Table 22  
 Discharge Loading Rankings  
 Lower Blacklick Creek

Location ID	Name	Beginning Sample Date	Ending Sample Date	Average Flow	Number of Al Loading Samples	Average Al Loading	AL Loading Rank Factor	AL Loading Rank	Number of Iron Loading Samples	Average Iron Loading	Iron Loading Rank Factor	Iron Loading Rank	Number of Mn Loading Samples	Average Mn Loading	Mn Loading Rank Factor	Mn Loading Rank	Number of Sulfate Loading Samples	Average Sulfate Loading	Sulfate Loading Rank Factor	Sulfate Loading Rank	Number of Acidity Loading Samples	Average Acidity Loading	Acidity Loading Rank Factor	Acidity Loading Rank	FINAL LOADING AVG RANK	FINAL WATER QUALITY AVG RANK	FINAL AVG RANK	FINAL RANK
LBC-008	Drift mine	10/18/1973	9/4/1974	15.93	1	11.12	11.12	1	12	6.69	6.69	2					12	296.50	296.50	3	12	87.85	87.85	3	2.25	1.80	3.15	1
LBC-001	Drift Mine	10/17/1973	9/4/1974	24.78					9	11.32	11.32	1					9	236.19	236.19	4	9	150.84	150.84	1	2.00	2.75	3.38	2
LBC-007	Drift mine	10/22/1973	9/4/1974	34.87					12	3.36	3.36	3					12	374.23	374.23	1	12	144.15	144.15	2	2.00	5.00	4.50	3
LBC-006	Drift mine	11/16/1973	6/11/1974	6.89					8	2.65	2.65	4					8	69.06	69.06	7	8	32.52	32.52	7	6.00	2.50	7.25	4
LBC-010	Drift Mine	10/23/1973	6/11/1974	10.39					9	2.57	2.57	5					9	92.24	92.24	6	9	47.73	47.73	6	5.67	4.25	7.79	5
LBC-002	2 Drift Mines	10/17/1973	9/4/1974	50.76					9	1.00	1.00	8					9	334.86	334.86	2	9	85.82	85.82	4	4.67	8.00	8.67	6
LBC-005	Strip mine	10/23/1973	6/11/1974	15.25					8	1.46	1.46	6					8	97.07	97.07	5	8	50.48	50.48	5	5.33	7.75	9.21	7
LBC-004	2 Drift Mines	10/18/1973	9/4/1974	2.94					6	1.27	1.27	7					6	27.08	27.08	8	6	13.21	13.21	8	7.67	4.75	10.04	8
LBC-003	Drift Mine	10/18/1973	9/4/1974	6.61					11	0.33	0.33	9					11	21.88	21.88	9	11	11.97	11.97	9	9.00	8.00	13.00	9