

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MKR3	11/8/01	Measured	40		3.5				0	162	2.3	1.8	23.7	456	
MKR3	1/22/02	Measured	75		3.3				0	163	1.1	1.0	15.6	262	
MKR3	2/19/02	Measured	75		3.4				0	146	1.1	1.2	16.7	470	
MKR3	3/19/02	Measured	150		3.4				0	147	0.8	0.9	11.8	316	
MKR3	4/16/02	Measured	150		3.4				0	184	1.4	1.2	19.5	581	
MKR3	5/30/02	Measured	175		3.4				0	145	1.1	1.2	17.0	313	
MKR3	6/25/02	Measured	150		3.5				0	140	1.1	1.2	16.0	414	6
MKR3	7/29/02	Measured	75		3.0				0	127	1.0	0.9	12.3	275	
MKR3	8/26/02	Measured	75		3.4				0	127	0.8	0.7	10.1	301	
MKR3	9/18/02	Measured	60		3.4				0	129	0.8	0.7	8.7	280	
MKR3	10/30/02	Measured	75		3.5				0	119	0.7	0.6	8.4	284	
MKR3	11/21/02	Flow	100		3.4				0	116	0.6	0.6	8.7	399	
MKR3	12/16/02	Measured	125		3.5				0	111	0.5	0.5	7.4	276	
MKR3	1/27/03	Measured	125	3.5	3.3				0	143	0.7	0.9	13.0	396	0
MKR3	2/25/03	Measured	300	3.3	3.4				0	141	0.7	0.9	13.2	401	0
Min			40	3.3	3.0				0	111	0.5	0.5	7.4	262	0
Max			300	3.5	3.5				0	184	2.3	1.8	23.7	581	6
Avg			117	3.4	3.4				0	140	1.0	1.0	13.5	362	2
Range			260	0.2	0.5				0	73	1.8	1.3	16.3	319	6

Description: Milk Run; Sampled at 14" Terra Cotta pipe; Deep Mine Discharge;

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Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP2	5/30/96	Measured	91		6.6				138	0	20.0	5.1	0.7	601	80
MP2	6/24/96	Measured	78		6.7				146	0	18.7	4.9	0.0	559	17
MP2	7/23/96	Measured	50		6.6				168	0	17.1	4.7	0.0	500	16
MP2	9/16/96	Measured	17		6.6				146	0	87.2	5.5	0.9	473	196
MP2	11/20/96	Measured	19		6.9				132	0	2.1	3.9	0.0	633	
MP2	12/11/96	Measured	38		7.2				180	0	3.2	3.3	0.0	517	22
MP2	1/22/97	Measured	49		6.9				206	0	168.0	4.1	2.8	413	110
MP2	2/26/97	Measured	45		7.1				206	0	7.8	3.5	0.0	354	
MP2	3/12/97	Measured	66		7.2				204	0	7.9	3.5	0.0	386	
MP2	4/23/97	Measured	49		7.2				220	0	11.5	3.7	0.0	394	0
MP2	5/8/97	Measured	45		7.4				220	0	9.4	3.8	0.0	403	
MP2	6/5/97	Measured	84		7.1				216	0	9.0	3.6	0.0	344	12
MP2	7/17/97	Measured	45		7.2				230	0	10.9	4.0	0.0	402	4
MP2	8/18/97	Measured	25		6.8				170	0	4.4	4.7	0.0	442	4
MP2	9/30/97	Measured	8		6.8				148	0	3.3	4.9	0.0	463	
MP2	10/27/97	Measured	8		7.1				138	0	1.8	5.2	0.0	508	8
MP2	11/18/97	Measured	8		6.9				134	0	3.8	5.7	0.0	487	
MP2	2/25/98	Measured	55		7.2				212	0	5.6	3.0	0.0	370	8
MP2	3/26/98	Measured	72		7.0				198	0	7.3	2.9	0.0	423	18
MP2	4/23/98	Measured	60		7.2				202	0	10.1	3.2	0.0	365	
MP2	5/20/98	Measured	78		7.1				206	0	14.9	3.4	0.0	414	16
MP2	6/29/98	Measured	72		7.1				184	0	8.4	3.7	0.0	423	6
MP2	7/22/98	Measured	50		7.2				216	0	12.2	3.9	0.0	418	
MP2	8/20/98	Measured	22		7.1				196	0	9.8	4.2	0.0	438	10
MP2	9/29/98	Measured	8		7.1				164	0	5.3	5.5	0.0	482	
MP2	10/28/98	Measured	5		6.8				152	0	1.7	4.8	0.0	486	
MP2	12/14/98	Measured	5		6.9				130	0	2.2	3.9	0.0	544	
MP2	1/20/99	Measured	12		6.8				112	0	2.0	2.8	0.0	466	
MP2	2/22/99	Measured	29		7.3				184	0	8.7	2.9	0.0	353	20

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Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP2	3/17/99	Measured	50		7.3				184	0	8.4	2.8	0.0	453	
MP2	4/19/99	Measured	66		7.4				176	0	6.3	2.9	0.0	436	12
MP2	5/24/99	Measured	50		7.0				182	0	8.8	3.4	0.0	445	20
MP2	6/23/99	Measured	29		7.2				186	0	14.0	3.5	0.0	461	16
MP2	7/22/99	Measured	17		7.2				166	0	9.5	3.7	0.0	469	10
MP2	8/11/99	Measured	12		7.2				158	0	18.8	3.4	0.0	436	48
MP2	9/13/99	Measured	8		7.0				158	0	5.0	3.7	0.0	489	8
MP2	10/25/99	Measured	8		7.1				138	0	1.3	4.3	0.0	577	
MP2	11/15/99	Measured	5		6.8				140	0	1.4	4.4	0.0	552	
MP2	12/2/99	Measured	5		6.9				134	0	1.8	4.3	0.0	515	4
MP2	1/10/00	Measured	5		7.1				122	0	1.3	3.1	0.0	453	
MP2	2/7/00	Measured	3		7.1				122	0	1.0	3.0	0.0	660	
MP2	3/7/00	Measured	12		6.8				124	0	1.8	2.9	0.0	376	
MP2	4/25/00	Measured	50		7.4				168	0	8.1	2.7	0.0	472	8
MP2	5/23/00	Measured	40		7.1				162	0	7.5	2.6	0.0	451	
MP2	6/28/00	Measured	60		6.8				162	0	12.8	3.3	0.0	511	18
MP2	7/20/00	Measured	50		6.7				160	0	11.7	3.6	0.0	404	10
MP2	8/28/00	Measured	66		6.9				148	0	47.5	3.3	1.5	594	32
MP2	9/26/00	Measured	50		7.0				140	0	12.3	3.6	0.0	524	36
MP2	10/31/00	Measured	22		6.9				134	0	15.8	4.3	0.0	590	26
MP2	11/29/00	Measured	17		6.9				118	0	65.3	3.6	0.0	496	154
MP2	1/30/01	Measured	45		6.8				106	0	8.3	3.1	0.0	472	10
MP2	2/26/01	Measured	22		7.2				142	0	5.9	2.5	0.0	444	20
MP2	3/19/01	Measured	40		7.1				154	0	7.0	2.8	0.0	490	20
MP2	6/14/01	Measured	45		6.7				126	0	21.5	4.0	0.0	533	44
MP2	11/8/01	Measured	5		6.7				118	0	3.3	5.2	0.0	549	
MP2	1/22/02	Measured	3		7.1				110	0	3.9	4.0	0.0	485	14
MP2	2/19/02	Measured	5		7.0				116	0	4.1	3.9	0.0	617	8
MP2	3/19/02	Measured	8		6.8				110	0	3.9	3.6	0.0	438	6

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Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP2	4/16/02	Measured	17		7.0				112	0	4.2	2.7	0.0	294	24
MP2	5/28/02	Measured	60		7.0				126	0	12.3	3.0	0.0	413	24
MP2	6/25/02	Measured	45		7.0				140	0	18.0	3.8	0.0	251	42
MP2	7/29/02	Measured	19		7.0				130	0	17.6	4.3	0.0	766	
MP2	8/26/02	Measured	8		7.1				116	0	9.4	4.6	0.0	503	
MP2	9/18/02	Measured	7		7.1				118	0	6.4	4.9	0.0	587	
MP2	10/30/02	Measured	8		6.9				100	0	2.7	4.1	0.0	332	
MP2	11/21/02	Measured	5		7.0				104	0	1.5	4.4	0.0	660	
MP2	12/16/02	Measured	5		6.7				98	0	2.0	3.4	0.0	554	
MP2	1/27/03	Measured	5	6.8	6.8				108	0	5.8	4.0	0.0	514	12
MP2	2/24/03	Measured	19	7.0	7.2				91	0	2.2	1.9	0.0	455	10
Min			3	6.8	6.6				91	0	1.0	1.9	0.0	251	0
Max			91	7.0	7.4				230	0	168.0	5.7	2.8	766	196
Avg			32	6.9	7.0				153	0	12.7	3.8	0.1	475	28
Range			88	0.2	0.8				139	0	167.0	3.8	2.8	515	196

Description: Monitoring Point 2; Surface Mine Discharge;

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Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP5	5/30/96	Measured	38		3.3				0	304	3.8	8.6	38.1	885	6
MP5	6/24/96	Measured	30		3.3				0	254	3.0	6.7	29.6	773	
MP5	7/23/96	Measured	25		3.3				0	264	3.9	7.4	30.5	738	
MP5	8/20/96	Measured	13		3.3				0	256	5.9	7.3	28.9	660	
MP5	9/16/96	Measured	8		3.3				0	260	6.3	6.6	27.6	818	
MP5	11/20/96	Measured	20		3.3				0	198	2.7	5.9	22.0	854	
MP5	12/11/96	Measured	25		3.5				0	214	2.7	6.1	22.4	822	
MP5	1/22/97	Measured	20		3.4				0	226	3.6	7.6	27.6	792	4
MP5	2/26/97	Measured	20		3.4				0	246	3.1	6.3	23.3	685	
MP5	3/12/97	Measured	30		3.3				0	228	2.2	7.4	25.0	816	12
MP5	4/23/97	Measured	30		3.4				0	258	3.4	7.5	28.3	741	0
MP5	5/8/97	Measured	25		3.4				0	260	4.2	7.4	27.6	760	
MP5	6/5/97	Measured	30		3.3				0	236	2.0	8.2	27.5	800	
MP5	7/17/97	Measured	13		3.3				0	272	4.3	7.7	29.5	698	
MP5	8/18/97	Measured	7		3.4				0	260	6.2	7.6	30.5	834	
MP5	9/30/97	Measured	5		3.3				0	266	7.0	6.6	27.4	707	4
MP5	10/27/97	Measured	4		3.4				0	276	7.9	6.6	27.5	750	
MP5	11/18/97	Measured	20		3.3				0	234	3.7	6.2	24.6	643	
MP5	2/25/98	Measured	25		3.4				3	234	2.7	7.5	27.7	786	
MP5	3/26/98	Measured	30		3.2				0	222	2.6	7.4	27.0	819	8
MP5	4/23/98	Measured	30		3.3				0	214	3.0	7.5	29.3	845	
MP5	5/20/98	Measured	30		3.3				0	280	2.3	11.4	33.4	893	16
MP5	6/29/98	Measured	20		3.3				0	232	3.8	8.1	30.0	842	
MP5	7/22/98	Measured	20		3.4				0	226	3.8	8.0	28.2	743	
MP5	8/20/98	Measured	7		3.4				0	218	6.8	7.6	27.5	726	
MP5	9/29/98	Measured	5		3.4				0	210	8.6	7.7	29.3	745	
MP5	10/28/98	Measured	3		3.4				0	214	8.2	6.8	26.4	758	
MP5	12/14/98	Measured	3		3.4				0	224	9.0	6.5	25.5	755	
MP5	1/20/99	Measured	15		3.4				0	202	3.3	8.7	29.3	739	

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MP5	2/22/99	Measured	25		3.4				0	326	2.8	16.2	47.1	961	4
MP5	3/17/99	Measured	20		3.4				0	294	2.9	10.3	38.3	752	
MP5	4/19/99	Measured	25		3.4				0	224	3.2	8.0	32.1	616	4
MP5	5/24/99	Measured	20		3.5				0	238	4.6	8.5	35.0	939	
MP5	6/23/99	Measured	8		3.4				0	236	5.5	7.5	28.7	763	
MP5	7/22/99	Measured	5		3.4				0	230	6.6	7.0	29.9	671	4
MP5	8/11/99	Measured	12		3.5				0	202	4.0	6.0	26.4	725	
MP5	9/13/99	Measured	5		3.4				0	218	5.7	6.1	22.9	778	
MP5	10/25/99	Measured	4		3.4				0	212	8.3	7.0	27.7	874	
MP5	11/15/99	Measured	5		3.4				0	276	7.3	6.6	27.2	763	
MP5	12/2/99	Measured	5		3.4				0	230	6.8	6.4	26.3	767	
MP5	1/10/00	Measured	5		3.4				0	180	3.4	6.3	22.9	783	
MP5	2/7/00	Measured	5		3.4				0	226	5.1	7.5	26.8	951	4
MP5	3/7/00	Measured	10		3.4				0	212	2.6	9.3	29.9	792	
MP5	4/25/00	Measured	15		3.4				0	268	2.3	10.6	34.9	778	
MP5	5/23/00	Measured	9		3.3				0	260	3.7	8.1	35.2	1227	
MP5	6/28/00	Measured	10		3.4				0	212	2.5	7.6	25.1	741	
MP5	7/20/00	Measured	9		3.4				0	212	3.9	7.8	31.1	741	
MP5	8/28/00	Measured	12		3.3				0	226	2.8	7.7	27.0	790	
MP5	9/26/00	Measured	10		3.4				0	216	6.0	8.1	30.1	751	6
MP5	10/31/00	Measured	7		3.5				0	200	7.6	6.9	25.9	775	
MP5	11/29/00	Measured	7		3.5				0	190	8.0	6.2	24.0	675	6
MP5	1/30/01	Measured	4		3.4				0	188	4.6	6.7	22.9	594	
MP5	2/26/01	Measured	9		3.5				0	176	1.7	6.0	21.3	668	
MP5	5/21/01	Measured	12		3.4				0	274	3.0	9.8	37.0	809	8
MP5	6/14/01	Measured	9		3.3				0	256	5.1	9.2	32.9	603	6
MP5	11/8/01	Measured	5		3.5				0	219	7.7	7.0	28.7	544	
MP5	1/22/02	Flow	7		3.3				0	234	4.4	7.8	26.0	699	
MP5	2/19/02	Measured	7		3.4				0	215	3.9	7.0	24.2	570	

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MP5	3/19/02	Measured	7		3.5				0	253	4.9	7.2	27.3	415	
MP5	4/16/02	Flow	8		3.3				0	285	2.2	12.0	37.7	614	
MP5	5/28/02	Measured	10		3.3				0	279	2.4	10.3	35.8	575	
MP5	6/25/02	Measured	9		3.2				0	308	4.2	9.9	42.2	713	12
MP5	7/29/02	Flow	4		3.0				0	262	7.9	9.4	39.8	1674	
MP5	8/26/02	Measured	2		3.4				0	285	8.6	8.3	36.6	788	
MP5	9/18/02	Measured	2		3.4				0	285	8.7	8.3	31.7	646	
MP5	10/30/02	Measured	3		3.3				0	255	7.3	7.2	30.9	349	
MP5	11/21/02	Dry	9		3.3				0	273	5.7	7.4	30.4	729	
MP5	12/16/02	Measured	9		3.3				0	221	5.1	7.1	28.0	608	
MP5	1/27/03	Measured	10	3.3	3.3				0	263	2.3	10.0	32.3	894	0
MP5	2/24/03	Measured	15	3.3	3.3				0	249	3.1	8.3	33.3	873	8
Min			2	3.3	3.0				0	176	1.7	5.9	21.3	349	0
Max			38	3.3	3.5				3	326	9.0	16.2	47.1	1674	16
Avg			13	3.3	3.4				0	241	4.7	7.8	29.5	763	6
Range			36	0.0	0.5				3	150	7.3	10.3	25.8	1325	16

Description: Monitoring Point 5; 6" white plastic pipe; Deep Mine Drain;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP6	7/23/96	Measured	36		5.2				28	124	38.6	9.4	3.9	1074	
MP6	8/20/96	Measured	29		5.0				19	138	41.5	9.6	3.9	950	
MP6	9/16/96	Measured	21		5.0				24	110	38.7	8.6	3.4	764	4
MP6	11/20/96	Measured	29		5.4				38	76	23.7	9.1	3.5	1050	14
MP6	12/11/96	Measured	32		5.4				42	86	22.1	8.7	3.2	999	20
MP6	1/22/97	Measured	38		5.1				30	94	26.9	9.8	3.6	1014	24
MP6	2/26/97	Measured	38		5.8				64	112	17.4	7.2	2.1	837	8
MP6	3/12/97	Measured	41		5.4				42	54	19.1	9.0	2.6	889	8
MP6	4/23/97	Measured	38		5.6				54	84	25.3	10.2	3.2	1184	0
MP6	5/8/97	Measured	32		5.5				46	54	25.9	10.1	2.9	1097	4
MP6	6/5/97	Measured	45		5.8				74	72	17.1	7.6	2.1	896	8
MP6	7/17/97	Measured	29		5.5				46	104	24.6	9.6	2.5	936	
MP6	8/18/97	Measured	22		5.8				82	158	21.1	7.5	1.8	910	4
MP6	9/30/97	Measured	12		5.5				50	132	25.6	8.2	2.2	962	
MP6	10/27/97	Measured	8		5.5				40	114	25.5	8.7	2.3	1007	12
MP6	11/18/97	Measured	22		5.1				26	82	8.2	7.8	2.1	778	
MP6	3/26/98	Measured	50		5.4				36	48	23.1	10.2	2.5	1261	12
MP6	4/23/98	Measured	45		5.8				58	16	19.8	8.7	2.1	1118	
MP6	5/20/98	Measured	45		5.8				66	0	21.5	9.1	2.2	1099	
MP6	6/29/98	Measured	25		6.1				84	0	16.1	6.8	1.5	902	
MP6	7/22/98	Measured	45		5.6				56	17	20.8	8.9	1.9	981	
MP6	8/20/98	Measured	22		5.3				30	44	24.0	8.4	1.7	953	
MP6	9/29/98	Measured	10		5.3				34	38	26.2	8.9	1.9	955	4
MP6	10/28/98	Measured	12		5.1				26	46	23.0	8.5	1.8	991	4
MP6	12/14/98	Measured	5		5.3				30	42	21.7	9.0	1.8	1028	4
MP6	1/20/99	Measured	45		6.0				72	0	1.2	5.2	1.2	745	
MP6	2/22/99	Measured	20		5.7				62	0	9.1	8.4	1.6	1308	
MP6	3/17/99	Measured	45		5.6				50	3	12.3	8.3	1.6	942	
MP6	4/19/99	Measured	50		6.0				84	0	11.4	6.2	1.2	915	

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP6	5/24/99	Measured	40		6.0				92	0	15.2	7.0	1.4	1112	10
MP6	6/23/99	Measured	25		5.2				24	42	17.7	7.5	1.6	978	4
MP6	7/22/99	Measured	19		5.3				26	40	20.3	7.6	1.9	907	
MP6	8/11/99	Measured	17		5.3				36	18	16.0	6.9	1.8	688	12
MP6	9/13/99	Measured	12		5.1				28	50	18.9	7.4	1.5	1009	
MP6	10/25/99	Measured	8		4.8				13	50	21.1	9.2	1.4	1051	
MP6	11/15/99	Measured	14		5.2				28	70	10.9	8.2	1.5	1009	
MP6	12/2/99	Measured	17		5.3				30	11	5.0	7.7	1.6	1085	4
MP6	1/11/00	Measured	29		5.7				70	0	3.0	6.5	1.2	891	4
MP6	2/7/00	Measured	45		5.2				30	26	8.4	8.4	1.6	1055	
MP6	3/7/00	Measured	36		5.6				58	0	5.0	7.4	1.3	798	4
MP6	4/25/00	Measured	5		5.9				78	0	10.7	8.2	1.4	1348	
MP6	5/23/00	Measured	29		5.7				64	0	11.7	6.8	1.5	1433	
MP6	6/28/00	Measured	45		5.9				84	0	11.9	7.3	1.0	970	12
MP6	7/20/00	Measured	40		5.6				64	0	13.9	7.8	1.2	883	
MP6	8/28/00	Measured	36		5.6				54	0	17.7	7.3	1.5	1043	4
MP6	9/26/00	Measured	45		5.8				84	0	11.8	5.4	0.7	919	14
MP6	10/31/00	Measured	25		5.6				50	7	16.8	7.0	9.5	950	
MP6	11/29/00	Measured	17		5.7				68	0	15.9	5.3	1.0	836	12
MP6	1/30/01	Measured	45		6.2				120	0	6.4	3.5	0.6	702	6
MP6	2/28/01	Measured	29		5.9				80	0	4.6	4.9	0.7	726	14
MP6	3/19/01	Measured	66		5.9				80	0	6.8	4.4	0.9	870	20
MP6	4/25/01	Measured	78		5.9				66	0	7.3	5.3	0.7	998	
MP6	11/8/01	Measured	8		5.7				72	3	15.6	7.5	0.6	703	
MP6	1/22/02	Measured	19		5.5				52	1	4.1	7.4	0.7	818	12
MP6	2/19/02	Measured	36		5.6				52	7	3.7	8.1	0.8	1111	6
MP6	3/19/02	Measured	40		5.7				74	0	4.9	7.2	0.7	837	4
MP6	4/16/02	Measured	45		5.8				84	0	5.2	6.9	0.7	1262	8
MP6	5/30/02	Measured	66		5.8				88	0	8.7	7.0	0.6	1152	

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
MP6	6/25/02	Measured	45		5.6				62	19	12.7	8.4	0.8	948	
MP6	7/29/02	Measured	29		5.0				50	0	16.1	9.3	0.9	1199	
MP6	8/26/02	Flow	19		5.4				48	39	16.9	8.5	1.0	1377	
MP6	9/18/02	Measured	10		5.4				40	65	17.9	8.3	0.8	1072	
MP6	10/30/02	Measured	17		5.6				64	14	12.8	7.0	0.6	356	
MP6	11/21/02	Measured	22		5.4				48	5	4.4	7.4	0.8	961	
MP6	12/16/02	Measured	36		5.9				84	0	2.1	5.0	0.0	268	
MP6	1/27/03	Measured	32	5.8	5.5				56	4	9.3	8.8	1.2	1119	
MP6	2/25/03	Measured	40	5.7	5.7				66	0	7.6	7.7	0.7	960	0
Min			5	5.7	4.8				13	0	1.2	3.5	0.0	268	0
Max			78	5.8	6.2				120	158	41.5	10.2	9.5	1433	24
Avg			31	5.8	5.5				55	35	15.7	7.7	1.7	969	8
Range			73	0.1	1.4				107	158	40.3	6.7	9.5	1165	24

Description: Monitoring Point 6; Combination of Deep Mine and Surface Mine Discharge;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
NFMU5	11/8/01	Measured	40		3.6				0	129	8.2	3.1	15.3	483	
NFMU5	1/22/02	Measured	36		3.7				0	121	6.5	3.1	12.5	591	
NFMU5	2/19/02	Measured	36		3.8				0	127	6.4	2.7	13.3	617	
NFMU5	3/19/02	Measured	50		4.9				13	70	5.1	2.1	8.8	489	
NFMU5	4/16/02	Measured	66		4.7				9	62	1.9	2.4	8.9	385	
NFMU5	5/28/02	Measured	114		5.6				13	25	0.7	2.3	4.7	529	26
NFMU5	6/25/02	Measured	66		4.1				6	138	3.2	3.4	15.6	453	12
NFMU5	7/29/02	Measured	55		3.0				0	122	3.7	3.5	17.3	646	
NFMU5	8/26/02	Measured	55		4.3				6	124	2.7	3.7	12.5	898	
NFMU5	9/18/02	Measured	45		3.6				0	135	3.2	2.9	16.4	610	
NFMU5	10/30/02	Measured	55		4.6				10	94	4.0	2.4	8.9	334	
NFMU5	11/21/02	Measured	45		4.3				6	119	3.0	2.5	10.5	722	
NFMU5	12/16/02	Measured	40		4.6				10	60	2.6	2.3	7.2	525	
NFMU5	1/27/03	Measured	40	4.6	4.4				7	98	2.1	2.5	10.9	620	6
NFMU5	2/24/03	Measured	66	4.6	4.8				10	57	1.0	2.0	6.8	540	32
Min			36	4.6	3.0				0	25	0.7	2.0	4.7	334	6
Max			114	4.6	5.6				13	138	8.2	3.7	17.3	898	32
Avg			54	4.6	4.3				6	99	3.6	2.7	11.3	563	19
Range			78	0.0	2.6				13	113	7.5	1.7	12.6	564	26

Description: North Fork Montour Run Upper Segment; Also known as MP#8; Combination Deep Mine and Surface Mine Drainage; Near Wissel Machine; Includes MP3;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
NFMU6	11/14/01	Measured	17		6.4				19	24	0.6	6.2	0.0	869	
NFMU6	1/22/02	Measured	36		5.7				13	28	0.6	5.0	2.2	76	
NFMU6	2/19/02	Measured	47		5.7				14	25	0.6	4.9	2.1	888	
NFMU6	3/19/02	Measured	130		6.1				19	29	0.5	3.8	1.8	574	
NFMU6	4/16/02	Measured	130		5.7				11	44	0.3	4.0	2.6	627	
NFMU6	5/28/02	Measured	114		5.6				13	25	0.7	2.3	4.7	529	
NFMU6	6/25/02	Measured	70		4.8				11	56	0.4	8.3	4.0	576	
NFMU6	7/29/02	Measured	28		4.0				10	42	0.4	12.0	2.3	965	
NFMU6	8/26/02	Measured	18		4.9				10	57	0.0	12.2	2.8	810	
NFMU6	9/18/02	Measured	12		5.3				10	57	0.4	11.4	1.4	860	
NFMU6	10/30/02	Measured	85		6.2				19	36	0.4	5.9	1.1	356	
NFMU6	11/21/02	Measured	70		6.3				18	48	0.4	5.1	0.9	1195	
NFMU6	12/16/02	Measured	99		5.9				17	33	0.3	4.2	1.6	792	
NFMU6	1/27/03	Measured	71	4.9	5.1				9	41	0.5	5.7	4.9	858	8
NFMU6	2/24/03	Measured	197	6.0	6.0				16	35	0.0	3.3	2.1	710	14
Min			12	4.9	4.0				9	24	0.0	2.3	0.0	76	8
Max			197	6.0	6.4				19	57	0.7	12.2	4.9	1195	14
Avg			75	5.5	5.6				14	39	0.4	6.3	2.3	712	11
Range			185	1.1	2.4				10	34	0.7	9.9	4.9	1119	6

Description: North Fork Montour Run Upstream Segment; Includes MP7; Combination of Deep Mine and Surface Mine Drainage;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
NFMU9	5/30/96	Measured	78		3.2				0	184	13.1	10.0	14.4	840	
NFMU9	6/24/96	Measured	98		3.3				0	152	13.6	9.5	10.9	555	
NFMU9	7/23/96	Measured	80		3.3				0	152	15.5	8.9	10.1	728	8
NFMU9	8/20/96	Measured	45		3.3				0	172	18.2	10.0	10.4	607	
NFMU9	9/16/96	Measured	38		3.3				0	152	17.2	9.2	8.8	724	
NFMU9	11/20/96	Measured	32		3.4				0	138	20.4	8.2	8.3	672	3
NFMU9	12/11/96	Measured	53		3.6				0	132	17.0	8.0	8.8	776	24
NFMU9	1/22/97	Measured	61		3.6				0	132	16.5	7.7	9.7	682	28
NFMU9	2/26/97	Measured	49		3.5				0	138	17.1	8.0	8.9	667	
NFMU9	3/12/97	Measured	61		3.4				0	126	17.2	7.7	8.6	648	
NFMU9	4/23/97	Measured	70		3.6				0	132	14.4	7.6	8.3	567	0
NFMU9	5/8/97	Measured	55		3.5				0	132	16.2	7.8	8.0	677	
NFMU9	6/5/97	Measured	72		3.4				0	136	14.6	7.4	8.1	624	
NFMU9	7/17/97	Measured	55		3.3				0	142	14.2	7.5	6.9	525	
NFMU9	8/18/97	Measured	38		3.7				0	124	19.0	8.8	7.3	639	20
NFMU9	9/30/97				4.8				11	94	22.6	9.3	4.8	615	
NFMU9	10/27/97				4.7				11	108	20.8	9.0	5.6	702	8
NFMU9	11/18/97				4.8				12	96	26.1	9.2	6.2	599	20
NFMU9	2/25/98				3.7				0	116	18.4	8.3	8.5	599	6
NFMU9	3/26/98				3.5				0	112	17.1	8.4	8.7	631	12
NFMU9	4/23/98				3.6				0	100	14.0	8.1	7.5	638	
NFMU9	5/20/98				3.5				0	110	14.5	7.6	7.6	620	8
NFMU9	6/29/98	Measured	66		3.7				0	92	16.5	8.2	6.3	567	
NFMU9	7/22/98	Measured	55		3.8				0	102	19.2	8.9	7.1	581	4
NFMU9	8/20/98	Measured	45		4.6				10	86	18.8	7.3	5.0	681	10
NFMU9	9/29/98	Measured	32		4.6				10	72	24.8	9.9	6.2	709	4
NFMU9	10/28/98	Measured	22		4.4				9	76	20.8	9.2	6.1	641	4
NFMU9	12/14/98	Measured	19		4.6				9	88	23.8	9.5	6.4	687	6
NFMU9	1/20/99	Measured	32		4.8				11	54	18.5	8.1	5.5	593	

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
NFMU9	2/22/99	Measured	45		4.1				5	92	17.5	9.3	9.2	495	12
NFMU9	3/17/99	Measured	55		3.8				0	98	13.2	8.0	8.7	544	
NFMU9	4/19/99	Measured	55		3.8				0	86	12.1	7.7	7.6	539	
NFMU9	5/24/99	Measured	50		3.9				0	80	10.3	8.2	7.8	376	10
NFMU9	6/23/99	Measured	36		3.8				0	72	13.4	8.8	6.4	570	6
NFMU9	7/22/99	Measured	22		4.0				3	68	14.0	8.4	6.2	382	6
NFMU9	8/11/99	Measured	32		3.7				0	72	12.5	7.9	6.3	628	20
NFMU9	9/13/99	Measured	22		4.2				7	88	16.8	8.2	5.9	716	4
NFMU9	10/25/99	Measured	22		4.6				10	68	19.8	9.4	6.1	668	
NFMU9	11/15/99	Measured	17		4.5				10	128	20.0	9.6	6.0	665	
NFMU9	12/2/99	Measured	19		4.7				12	88	21.6	8.8	6.0	620	12
NFMU9	1/10/00	Measured	22		4.8				13	60	19.0	8.9	5.8	958	8
NFMU9	2/7/00	Measured	19		4.6				10	86	20.2	8.8	6.2	662	14
NFMU9	3/7/00	Measured	29		4.7				12	66	17.3	9.0	6.7	648	4
NFMU9	4/25/00	Measured	45		3.9				0	98	11.9	8.2	8.4	654	
NFMU9	5/23/00	Measured	45		3.9				0	74	10.9	7.0	6.8	687	4
NFMU9	6/28/00	Measured	66		3.7				0	88	11.5	8.2	7.4	784	
NFMU9	7/20/00	Measured	45		4.1				5	72	12.9	8.4	6.9	596	
NFMU9	8/28/00	Measured	45		3.7				0	84	10.0	7.0	6.8	736	8
NFMU9	9/26/00		55		4.7				11	66	15.8	8.2	6.8	603	18
NFMU9	10/31/00	Measured	29		4.9				13	70	19.3	8.4	6.3	696	16
NFMU9	11/29/00	Measured	40		4.3				9	74	14.2	7.5	7.5	591	14
NFMU9	1/30/01	Measured	50		4.6				10	58	10.8	6.3	5.3	460	14
NFMU9	2/26/01	Measured	40		4.6				10	68	11.9	6.9	5.9	528	24
NFMU9	5/21/01	Measured	50		3.9				0	80	9.9	7.2	6.7	518	6
NFMU9	6/14/01	Measured	45		3.8				0	64	11.6	8.5	5.9	581	
NFMU9	11/8/01	Measured	17		4.0				4	100	17.5	10.2	6.8	582	
NFMU9	1/22/02	Measured	17		4.6				9	106	4.9	4.8	5.0	511	16
NFMU9	2/19/02	Measured	17		4.8				11	108	21.0	9.2	6.2	582	18

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
NFMU9	3/19/02	Measured	29		4.9				14	109	17.6	8.7	6.3	554	16
NFMU9	4/16/02	Measured	40		4.0				3	104	13.5	8.4	7.5	477	16
NFMU9	5/28/02	Measured	66		3.9				0	84	10.3	7.2	6.5	537	18
NFMU9	6/25/02	Measured	45		3.7				0	111	12.7	9.7	8.0	591	16
NFMU9	7/29/02	Measured	29		4.0				2	87	20.3	10.0	7.0	1641	
NFMU9	8/26/02	Measured	29		4.2				6	108	18.8	9.5	6.5	551	
NFMU9	9/18/02	Measured	22		3.8				0	116	17.3	9.5	5.9	644	
NFMU9	10/30/02	Measured	22		4.6				9	118	16.7	8.5	6.6	338	
NFMU9	11/21/02	Measured	17		4.4				7	128	17.2	9.4	6.3	735	
NFMU9	12/16/02	Measured	22		4.6				10	96	15.2	8.7	6.1	530	
NFMU9	1/27/03	Measured	19	4.7	4.8				10	105	20.9	9.1	6.2	683	24
NFMU9	2/24/03	Measured	36	4.8	4.8				11	87	12.8	7.0	5.5	658	18
Min			17	4.7	3.2				0	54	4.9	4.8	4.8	338	0
Max			98	4.8	4.9				14	184	26.1	10.2	14.4	1641	28
Avg			41	4.8	4.1				5	101	16.2	8.4	7.2	633	12
Range			82	0.1	1.7				14	130	21.2	5.4	9.6	1303	28

Description: North Fork Montour Run Upstream segment; Clinton Block Deep Mine Drain; Also known as MP1;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
PRE1(SFMU2)	11/8/01	Measured	9		6.6				104	0	9.2	8.2	0.0	1026	
PRE1(SFMU2)	1/22/02	Measured	22		6.6				92	0	30.0	7.4	0.0	1184	
PRE1(SFMU2)	2/19/02	Measured	29		6.7				90	0	28.7	7.5	0.0	1053	
PRE1(SFMU2)	3/19/02	Flow	29		6.7				88	0	22.5	7.0	0.0	682	
PRE1(SFMU2)	4/16/02	Measured	50		6.4				56	19	24.0	7.6	0.0	667	
PRE1(SFMU2)	5/30/02	Measured	50		6.4				48	10	13.9	7.9	0.0	1201	8
PRE1(SFMU2)	6/25/02	Measured	45		6.4				48	9	7.2	8.5	0.0	1106	18
PRE1(SFMU2)	7/29/02	Measured	29		6.9				56	0	7.0	9.2	0.0	1421	
PRE1(SFMU2)	8/26/02	Measured	17		6.8				76	0	12.4	8.9	0.0	1381	
PRE1(SFMU2)	9/18/02	Measured	17		6.7				80	0	14.4	8.9	0.0	1323	
PRE1(SFMU2)	10/30/02	Measured	22		6.8				96	0	12.8	7.7	0.0	357	
PRE1(SFMU2)	11/21/02	Measured	22		6.8				88	0	9.2	7.0	0.0	1540	
PRE1(SFMU2)	12/16/02	Measured	25		6.5				84	0	11.5	7.1	0.0	1071	
PRE1(SFMU2)	1/27/03	Measured	45	6.7	6.7				74	0	24.9	6.0	0.0	1093	22
PRE1(SFMU2)	2/24/03	Measured	55	6.8	6.8				62	0	18.4	6.3	0.0	1077	22
Min			9	6.7	6.4				48	0	7.0	6.0	0.0	357	8
Max			55	6.8	6.9				104	19	30.0	9.2	0.0	1540	22
Avg			31	6.8	6.7				76	3	16.4	7.7	0.0	1079	18
Range			46	0.1	0.5				56	19	23.0	3.2	0.0	1183	14

Description: South Fork Montour Run Upstream segment; Below BFI Landfill; Also known as BMI 141-1a;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
PRE2(CLINTON RD)	12/23/02	Measured	44	3.8	3.6				0	238	3.5	11.3	25.8	1219	8
Min			44	3.8	3.6				0	238	3.5	11.3	25.8	1219	8
Max			44	3.8	3.6				0	238	3.5	11.3	25.8	1219	8
Avg			44	3.8	3.6				0	238	3.5	11.3	25.8	1219	8
Range			0	0.0	0.0				0	0	0.0	0.0	0.0	0	0

Description: Allegheny County Airport Authority Property (Same as 061 Unt Below Site)

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
SFMD3	11/8/01	Measured	1		6.8				112	0	0.9	1.6	3.3	400	38
SFMD3	4/16/02	Measured	17	5.4	5.6				20	29	0.0	1.6	10.4	517	40
SFMD3	5/30/02	Measured	15	5.6	5.3				16	38	0.3	1.5	11.6	311	44
SFMD3	6/25/02	Measured	3	5.9	6.1				38	19	2.0	2.1	12.5	311	64
SFMD3	7/29/02	Measured	0		4.0				8	116	0.6	4.4	20.7	548	26
SFMD3	8/26/02	Measured	0	7.0	7.2				106	0	0.4	2.1	4.7	408	18
SFMD3	10/30/02	Measured	8	7.0	7.0				76	0	0.3	0.8	1.3	318	16
SFMD3	11/21/02	Measured	3		6.6				70	0	0.0	1.0	1.7	452	4
SFMD3	12/16/02	Measured	12	6.2	6.4				47	0	0.0	0.7	2.4	263	10
SFMD3	1/27/03	Measured	8	6.3	6.8				79	0	0.0	1.1	4.1	330	20
SFMD3	2/25/03	Measured	17	6.3	6.5				42	0	0.0	0.9	4.2	231	14
Min			0	5.4	4.0				8	0	0.0	0.7	1.3	231	4
Max			17	7.0	7.2				112	116	2.0	4.4	20.7	548	64
Avg			8	6.2	6.2				56	18	0.4	1.6	7.0	372	27
Range			17	1.6	3.2				104	116	2.0	3.6	19.4	317	60

Description: South Fork Montour Run Downstream segment; Deep Mine Discharge

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
SFMD7	1/22/02	Measured	3	3.1	3.2				0	194	2.8	2.0	17.4	830	16
SFMD7	4/16/02	Measured	20	3.2	3.2				0	173	3.0	2.0	15.8	650	8
SFMD7	5/30/02	Measured	25	3.2	3.2				0	152	2.8	2.0	15.0	584	
SFMD7	6/25/02	Measured	15	3.2	3.3				0	163	2.6	2.0	16.5	715	12
SFMD7	7/29/02	Measured	2	3.3	3.0				0	165	5.3	2.2	19.4	1019	24
SFMD7	8/26/02	Measured	0	3.0	3.3				0	190	3.7	3.1	20.5	418	0
SFMD7	9/18/02	Measured	1	4.0	3.3				0	190	4.4	2.9	20.4	880	6
SFMD7	10/30/02	Measured	2	3.3	3.2				0	176	2.8	1.8	18.1	353	4
SFMD7	11/21/02	Measured	3	3.3	3.1				0	184	2.6	1.8	17.5	909	0
SFMD7	12/16/02	Measured	1	3.3	3.4				0	165	0.7	1.9	15.5	729	4
SFMD7	1/27/03	Measured	5	3.3	3.1				0	171	1.9	2.3	18.2	837	0
SFMD7	2/25/03	Measured	30	3.1	3.1				0	157	2.4	2.2	16.0	733	4
Min			0	3.0	3.0				0	152	0.7	1.8	15.0	353	0
Max			30	4.0	3.4				0	194	5.3	3.1	20.5	1019	24
Avg			9	3.3	3.2				0	173	2.9	2.2	17.5	721	7
Range			30	1.0	0.4				0	42	4.7	1.3	5.5	666	24

Description: South Fork Montour Run Downstream segment; Deep Mine Drain;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
SFMS6	11/8/01	Measured	5		3.8				0	238	1.4	3.1	37.8	1231	
SFMS6	1/22/02	Measured	6		3.5				0	286	1.9	2.7	34.7	980	
SFMS6	2/19/02	Measured	20		3.4				0	259	2.4	3.4	43.3	1127	
SFMS6	3/19/02	Measured	20		3.4				0	286	2.0	2.9	30.3	916	
SFMS6	4/16/02	Measured	40		3.3				0	308	5.0	2.5	35.3	728	
SFMS6	5/30/02	Measured	75		3.1				0	291	7.4	2.6	37.8	747	
SFMS6	6/25/02	Measured	60		3.3				0	290	4.4	2.6	37.8	594	
SFMS6	7/29/02	Measured	20		3.0				0	249	2.7	2.7	38.9	1016	
SFMS6	8/26/02	Measured	15		3.4				0	273	2.3	2.8	38.8	1266	
SFMS6	9/18/02	Measured	12		3.4				0	271	1.8	2.6	34.5	1193	
SFMS6	10/30/02	Measured	10		3.6				0	209	1.7	2.6	28.9	361	
SFMS6	11/21/02	Measured	15		3.4				0	233	1.8	2.7	31.5	1017	
SFMS6	12/16/02	Measured	20		3.4				0	245	1.7	2.4	27.9	182	
SFMS6	1/27/03	Measured	25	3.3	3.2				0	274	2.8	2.4	35.8	1129	0
SFMS6	2/25/03	Measured	30	3.2	3.2				0	235	3.1	2.6	31.6	1009	4
Min			5	3.2	3.0				0	209	1.4	2.4	27.9	182	0
Max			75	3.3	3.8				0	308	7.4	3.4	43.3	1266	4
Avg			25	3.3	3.4				0	263	2.8	2.7	35.0	900	2
Range			70	0.1	0.8				0	99	6.0	1.0	15.4	1084	4

Description: South Fork Montour Run Santiago segment; Sampled at 16" Terra Cotta pipe below shed in front yard; Deep Mine Discharge;

Montour Run Water Monitoring Database

Sample Point	Date	Method of Flow Meas.	Flow (gpm)	Field pH	Lab pH	Spec. cond. (umhos/cm)	Field Temp (C)	Alk. (Field) (mg/L)	Alk. (lab) (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Susp. Solids (mg/L)
SFMS7	11/8/01	Measured	50		5.7				26	31	2.1	1.6	5.0	379	
SFMS7	1/29/02	Measured	35		4.0				3	121	2.6	3.0	11.8	944	
SFMS7	2/19/02	Measured	35		3.9				0	106	3.4	3.3	14.3	592	
SFMS7	3/19/02	Measured	38		4.9				8	71	2.2	2.2	6.7	1124	
SFMS7	4/16/02	Measured	40		4.5				8	97	1.2	2.2	8.1	603	
SFMS7	5/30/02	Measured	50		4.6				8	64	1.7	2.1	6.8	471	4
SFMS7	6/25/02	Measured	38		4.5				10	87	1.3	2.4	8.0	301	
SFMS7	7/29/02	Measured	50		4.0				1	91	1.0	2.7	9.8	718	
SFMS7	8/26/02	Measured	50		4.1				4	105	1.1	2.5	8.8	873	
SFMS7	9/18/02	Measured	38		3.8				0	110	1.4	2.7	9.9	593	
SFMS7	10/30/02	Measured	38		4.4				7	103	2.3	2.7	8.7	349	
SFMS7	11/21/02	Measured	50		4.0				2	106	1.5	2.5	9.8	715	
SFMS7	12/16/02	Measured	50		4.5				9	85	1.6	2.0	7.3	597	
SFMS7	1/27/03	Measured	50	4.3	4.0				1	100	2.0	2.6	11.4	660	0
SFMS7	2/25/03	Measured	60	4.2	4.7				8	60	2.4	2.2	8.4	532	12
Min			35	4.2	3.8				0	31	1.0	1.6	5.0	301	0
Max			60	4.3	5.7				26	121	3.4	3.3	14.3	1124	12
Avg			45	4.3	4.4				6	89	1.8	2.4	9.0	630	5
Range			25	0.1	1.9				26	90	2.4	1.7	9.3	823	12

Description: South Fork Montour Run Santiago segment; Deep Mine drain;