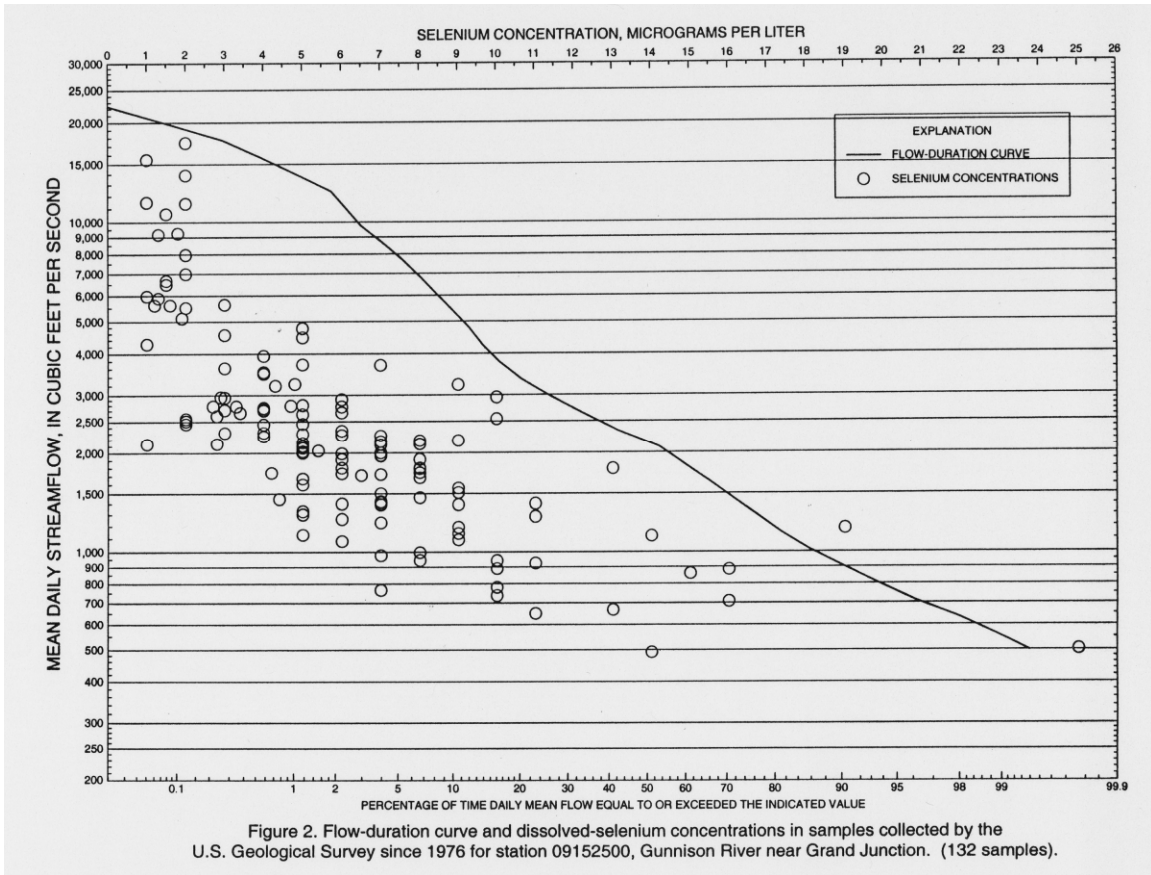


Attachment 6--Temperature and Selenium Data: Gunnison River at Whitewater (from Butler 2000 and others)



Attachments

Environmental baseline: Average monthly selenium concentration, ppb, Gunnison River at Whitewater.															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	Max	Min
1975	17.1	15.5	9.7	5.2	3.7	4.3	6.2	9.8	10.0	10.4	11.1	10.2	9.4	17.1	3.7
1976	11.1	9.6	9.9	7.5	4.9	6.5	9.2	14.1	12.1	11.5	14.3	15.9	10.6	15.9	4.9
1977	13.8	13.7	12.2	12.6	12.2	14.6	16.0	18.4	19.1	17.6	16.8	17.0	15.3	19.1	12.2
1978	15.1	14.7	11.7	4.3	3.3	3.7	7.0	11.5	12.0	17.7	15.2	11.9	10.7	17.7	3.3
1979	7.8	5.3	4.8	3.8	2.7	3.3	6.4	9.4	9.8	10.4	10.4	9.9	7.0	10.4	2.7
1980	9.8	5.3	5.8	4.0	2.4	3.1	7.2	10.9	12.2	15.1	11.0	9.1	8.0	15.1	2.4
1981	11.0	16.8	10.1	7.6	7.5	9.4	11.8	14.0	12.3	10.8	12.7	13.9	11.5	16.8	7.5
1982	8.9	7.5	7.3	4.1	2.7	3.6	6.1	7.5	6.6	6.7	6.8	6.2	6.2	8.9	2.7
1983	7.9	7.4	5.6	4.4	2.4	2.1	3.1	5.8	7.4	6.9	7.0	5.8	5.5	7.9	2.1
1984	4.9	4.6	4.2	3.1	1.9	2.0	3.3	5.8	6.6	6.0	5.8	5.0	4.4	6.6	1.9
1985	4.8	4.8	5.0	2.5	2.0	2.3	4.6	8.4	6.9	6.3	6.2	5.5	4.9	8.4	2.0
1986	5.0	5.7	3.3	2.5	2.2	2.8	3.6	6.9	6.0	5.4	5.2	4.6	4.4	6.9	2.2
1987	5.6	5.3	4.7	2.9	2.4	2.9	6.2	6.6	6.4	7.6	8.1	7.4	5.5	8.1	2.4
1988	8.2	6.7	6.9	4.2	4.6	5.5	7.2	11.1	9.6	10.5	11.6	11.2	8.1	11.6	4.2
1989	8.7	6.7	5.1	3.9	5.2	6.0	7.2	9.9	9.6	10.3	11.1	10.7	7.9	11.1	3.9
1990	10.6	10.0	8.7	7.3	5.3	6.0	7.4	11.1	10.0	9.1	9.5	8.6	8.6	11.1	5.3
1991	8.6	8.2	7.0	4.7	2.8	3.3	5.7	7.0	6.5	6.9	7.1	6.2	6.2	8.6	2.8
1992	7.7	7.8	6.4	3.1	3.0	4.1	5.3	6.8	7.0	6.7	7.0	7.3	6.0	7.8	3.0
1993	7.8	6.1	3.4	2.5	1.6	2.0	4.1	5.6	5.7	5.4	5.7	5.7	4.6	7.8	1.6
1994	6.6	6.3	5.1	4.1	3.1	3.9	6.2	8.2	7.5	6.9	7.2	6.7	6.0	8.2	3.1
1995	7.3	6.9	3.5	2.7	1.8	1.6	2.0	4.6	5.2	5.1	4.8	4.4	4.2	7.3	1.6
1996	5.5	4.0	3.2	2.6	2.2	3.3	5.4	6.9	6.1	6.4	6.0	5.3	4.7	6.9	2.2
1997	4.0	3.5	3.2	2.6	1.8	2.0	3.7	5.0	4.6	4.6	4.7	4.4	3.7	5.0	1.8
1998	5.6	5.3	4.1	2.8	1.9	3.6	4.7	6.8	6.3	6.1	6.2	5.9	4.9	6.8	1.9
1999	6.9	6.2	5.0	5.5	3.0	2.8	4.1	4.4	4.9	5.3	5.4	5.0	4.9	6.9	2.8
2000	5.9	5.2	4.6	3.2	3.5	4.9	5.7	8.4	7.5	7.0	8.1	7.8	6.0	8.4	3.2
2001	7.2	7.3	5.8	4.8	3.1	4.4	5.3	6.7	6.3	6.8	7.4	6.8	6.0	7.4	3.1
2002	7.2	7.3	7.0	6.1	7.0	9.4	10.6	10.4	9.1	8.9	10.3	10.7	8.7	10.7	6.1
2003	9.9	9.0	7.7	6.1	3.6	5.8	11.7	11.1	8.8	9.7	10.5	10.6	8.7	11.7	3.6
2004	9.4	8.7	6.4	3.9	3.6	5.3	6.4	9.6	8.2	8.1	9.5	9.3	7.4	9.6	3.6
2005	6.6	4.6	4.6	2.6	1.9	2.7	4.7	6.8	6.7	6.1	6.9	7.4	5.1	7.4	1.9

Aspinall Unit Operations DEIS

Proposed action: Average monthly selenium concentration, ppb, Gunnison River at Whitewater.															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	Max	Min
1975	14.1	12.5	11.6	6.1	4.2	4.2	6.7	10.0	10.7	11.1	12.1	11.2	9.5	14.1	4.2
1976	12.0	10.4	10.4	7.8	4.1	7.4	11.5	15.2	14.4	13.1	17.3	17.0	11.7	17.3	4.1
1977	15.3	14.0	13.2	12.7	12.5	13.2	14.3	18.1	19.1	17.6	17.1	17.0	15.4	19.1	12.5
1978	15.2	13.9	11.7	4.7	3.3	3.4	9.2	13.9	13.8	15.5	14.0	12.5	10.9	15.5	3.3
1979	11.5	5.5	6.3	4.1	2.8	2.9	7.2	10.5	13.0	13.1	13.0	12.7	8.5	13.1	2.8
1980	11.3	5.9	6.9	4.5	2.4	3.2	7.3	10.2	12.5	14.3	12.2	10.2	8.4	14.3	2.4
1981	12.1	12.3	10.6	7.9	7.7	9.3	11.7	14.2	12.6	11.0	13.0	14.2	11.4	14.2	7.7
1982	10.9	8.8	8.5	4.3	2.7	3.7	6.5	8.0	7.0	7.1	7.1	6.6	6.8	10.9	2.7
1983	8.5	7.9	5.9	4.5	2.5	2.1	3.2	6.0	7.5	7.1	7.2	6.0	5.7	8.5	2.1
1984	5.0	4.7	4.4	3.1	1.9	2.0	3.5	6.1	6.8	6.1	5.9	5.1	4.5	6.8	1.9
1985	4.9	5.1	5.1	2.6	2.0	2.4	5.0	8.3	7.1	6.4	6.3	5.6	5.1	8.3	2.0
1986	5.2	6.1	3.4	2.7	2.2	2.7	4.4	7.1	6.2	5.5	5.4	4.8	4.6	7.1	2.2
1987	5.9	5.6	4.9	2.9	2.4	3.1	6.3	6.9	6.6	7.9	8.5	7.7	5.7	8.5	2.4
1988	8.8	7.3	7.0	4.4	4.4	5.7	8.0	10.7	10.4	11.6	12.2	12.0	8.5	12.2	4.4
1989	10.3	7.7	5.6	4.0	4.7	6.3	7.8	10.4	10.7	10.6	11.4	11.0	8.4	11.4	4.0
1990	10.7	10.0	8.9	7.4	5.4	6.6	8.4	10.4	10.3	9.3	11.2	11.1	9.2	11.2	5.4
1991	10.3	9.5	8.2	4.8	2.8	3.3	5.9	7.4	6.8	7.2	7.5	6.5	6.7	10.3	2.8
1992	7.9	7.5	6.7	3.3	3.0	4.3	5.4	7.5	7.6	7.1	7.6	8.2	6.3	8.2	3.0
1993	8.2	6.6	3.5	2.8	1.7	1.9	4.2	5.8	5.9	5.6	5.9	5.9	4.8	8.2	1.7
1994	6.8	6.5	5.2	4.2	2.9	4.6	6.4	9.1	8.2	7.5	7.9	7.4	6.4	9.1	2.9
1995	8.0	7.6	3.7	3.0	1.9	1.6	2.0	4.8	5.3	5.2	4.9	4.6	4.4	8.0	1.6
1996	5.6	4.2	3.4	2.9	2.1	3.6	5.6	7.8	6.7	6.9	6.6	5.8	5.1	7.8	2.1
1997	4.0	3.6	3.4	2.6	1.8	2.0	4.2	5.3	4.7	4.7	4.8	4.5	3.8	5.3	1.8
1998	5.8	5.4	4.2	2.9	2.0	3.6	4.8	7.0	6.5	6.2	6.3	6.0	5.1	7.0	2.0
1999	7.5	6.7	5.4	5.6	2.7	2.9	4.5	4.8	5.0	5.6	5.8	5.3	5.2	7.5	2.7
2000	6.2	5.5	4.9	3.3	3.1	5.1	6.8	9.0	8.3	7.8	8.9	9.5	6.5	9.5	3.1
2001	9.2	8.6	7.1	5.0	2.7	5.2	5.5	7.6	7.0	7.6	8.5	8.1	6.8	9.2	2.7
2002	8.0	8.1	7.5	6.4	7.2	8.2	9.1	10.5	9.4	9.1	10.6	10.7	8.7	10.7	6.4
2003	9.7	8.7	7.7	6.2	3.5	5.7	8.1	8.9	9.1	9.9	10.8	10.7	8.2	10.8	3.5
2004	9.4	8.6	6.6	4.0	3.4	6.3	8.1	8.9	8.4	8.3	9.7	9.5	7.6	9.7	3.4
2005	8.1	7.5	6.5	2.9	2.0	2.7	4.8	7.1	7.0	6.3	7.1	7.7	5.8	8.1	2.0

