

	SOIL				Groundwater						
Compound	Units	Results	Soil to GW MSCC	GW protection RSLs	Units	MW-1 Results	MW-2 Results	Bolin Creek	NC 2L	DW	MCL
Aluminum	mg/Kg	23000	-	23000	ug/l	5600	16000	290	-	16000	-
Antimony	mg/Kg	<4.4	-	0.27	ug/l	5.4	0.61	<2.0	-	6	6
<b>Arsenic</b>	mg/Kg	<b>14</b>	-	<b>0.0013</b>	ug/l	<b>85</b>	8.3	0.9	<b>10</b>	<b>0.045</b>	<b>10</b>
<b>Barium</b>	mg/Kg	24	290	120	ug/l	<b>1100</b>	<b>1100</b>	27	<b>700</b>	29000	2000
Beryllium	mg/Kg	<0.44	-	13	ug/l	1.6	5.5	<0.80	-	16	4
<b>Cadmium</b>	mg/Kg	<b>1.5</b>	-	<b>0.52</b>	ug/l	0.17	0.93	<1.0	2	6.9	5
Calcium	mg/Kg	9900	-	-	ug/l	110000	260000	16000	-	-	-
<b>Chromium</b>	mg/Kg	<b>22</b>	<b>5.4*</b>	<b>0.00059*</b>	ug/l	<b>15</b>	<b>8.4</b>	<2.0	<b>10</b>	<b>0.031*</b>	-
<b>Cobalt</b>	mg/Kg	<b>30</b>	-	<b>0.21</b>	ug/l	<b>15</b>	<b>23</b>	0.37	-	4.7	-
<b>Copper</b>	mg/Kg	<b>65</b>	-	22	ug/l	25	<b>1200</b>	2.6	1000	620	1300
<b>Iron</b>	mg/Kg	<b>59000</b>	-	<b>2700</b>	ug/l	<b>6500</b>	<b>13000</b>	<b>860</b>	-	11000	<b>300</b>
Lead	mg/Kg	20	270	140	ug/l	5.8	27	0.5	15	-	150
Magnesium	mg/Kg	9000	-	-	ug/l	25000	47000	5300	-	-	-
<b>Manganese</b>	mg/Kg	<b>1500</b>	-	<b>210</b>	ug/l	<b>7600</b>	<b>1200</b>	<b>100</b>	<b>50</b>	<b>320</b>	-
Mercury	mg/Kg	0.011	-	0.033	ug/l	ND	0.18	<0.10	1	0.63	2
Nickel	mg/Kg	43	-	110	ug/l	12	70	1.2	100	760	-
Potassium	mg/Kg	680	-	-	ug/l	7600	42,000	2300	-	-	-
Selenium	mg/Kg	<8.8	-	0.4	ug/l	2.5	18	<10	20	78	50
Silver	mg/Kg	<0.88	0.25	0.6	ug/l	ND	0.27	<1.0	20	71	-
Sodium	mg/Kg	150	-	-	ug/l	34000	52000	7800	-	60000**	-
<b>Thallium</b>	mg/Kg	<4.4	-	0.011	ug/l	1	<b>0.48</b>	<0.40	-	0.16	2
Vanadium	mg/Kg	21	-	78	ug/l	38	71	<10	-	78	-
<b>Zinc</b>	mg/Kg	120	-	290	ug/l	52	<b>2200</b>	45	1000	4700	-
* Based on Chromium VI											
** EPA Guidance											