Table 4. Human Health Risk Screening Summary
Idol City Mine EE/CA

Contaminant	Soil and Mine Waste			Sediment			Surface Water		
	MDC (mg/kg)	Lowest SC	Relative Risk	MDC (mg/kg)	Lowest SC	Relative Risk	MDC (ug/L)	Lowest SC	Relative Risk
Silver	45	5100	<1	1.5	5100	<1	ND	50	
Aluminum	15700	100000	<1	25400	100000	<1	36	No SC	
Arsenic	961	1.6	**601**	510	1.6	**319**	41.7	0.0022	**18955**
Barium	2060	67000	<1	618	67000	<1	157	1000	<1
Beryllium	0.85	1900	<1	1.3	1900	<1	ND	0.0068	
Cadmium	27.1	450	<1	11.9	450	<1	1.2	No SC	
Cobalt	21.5	1900	<1	20.4	1900	<1	ND	No SC	
Chromium	10.7	450	<1	11.2	450	<1	ND	No SC	
Copper	167	41000	<1	84.8	41000	<1	6.2	1300	<1
Iron	45900	100000	<1	63500	100000	<1	2020	300	7
Mercury	103	310	<1	4.1	310	<1	ND	0.144	
Manganese	2740	19000	<1	2570	19000	<1	941	50	19
Nickel	26.8	20000	<1	26.5	20000	<1	ND	610	
Lead	25300	800	32	1190	800	1	4.5	No SC	
Antimony	24.6	410	<1	10	410	<1	ND	5.6	
Selenium	2.9	5100	<1	3.2	5100	<1	1.7	170	<1
Thallium	14.5	67	<1	0.92	67	<1	ND	0.24	
Vanadium	35.8	1000	<1	39.6	1000	<1	ND	No SC	
Zinc	3510	100000	<1	2050	100000	<1	162	7400	<1

Notes:
MDC = Maximum detected concentration
ND = Not detected
SC = Screening criteria

Relative risk:
> 100X Lowest risk screening criteria
10 to 100X Lowest risk screening criteria
1 to 10X Lowest risk screening criteria

Screening Criteria:
Soil, mine waste, and sediment = EPA Region 9 Industrial Soil PRGs (EPA 2004b)
Surface water = Lower of (1) EPA recommended AWQC for consumption of water and fish (EPA 2004c), and (2) Oregon Human Health Water Quality Criteria, fish and water consumption (ODEQ 2005).