

**Table B2
To Be Considered (Chemical-Specific): Big Bug Watershed EE/CA**

Agency	Citation	Criterion/Standard						Applicability/ Appropriateness	Discussion			
<i>Federal</i>												
US Environmental Protection Agency	40 CFR Part 141		<i>Primary MCL</i>			<i>Secondary MCL</i>			To-be considered	The Safe Drinking Water Act (SDWA) EPA to set national health-based standards (MCLs) for drinking water to protect against both naturally-occurring and man-made contaminants that may be found in drinking water. SDWA does not regulate private wells which serve fewer than 25 individuals; therefore, EPA MCLs are not applicable but these standards will be considered for groundwater at the Providence site. Secondary MCL's are non-enforceable guidelines regarding cosmetic effects to the water.		
		Aluminum	NE	0.05 to 0.2			Lead	TT ¹ 0.015			NE	
		Antimony	0.006	NE			Manganese	NE			0.05	
		Arsenic	0.01	NE			Mercury	0.002			NE	
		Barium	2	NE			Nickel	NE			NE	
		Beryllium	0.004	NE			Selenium	0.05			NE	
		Cadmium	0.005	NE			Silver	NE			0.1	
		Chromium	NE	NE			Thallium	0.002			NE	
		Cobalt	NE	NE			Vanadium	NE			NE	
		Copper	TT ¹ 1.3	1			Zinc	NE			5	
Iron	NE	0.3										
Bureau of Land Management Rick Management Criteria (RMC)	Risk Management Criteria for Metals at BLM Mining Sites , Technical Note 390 rev. (October 2004)	Metals	<i>Action Level</i>						To-be-considered	Provides non-regulatory risk management criteria for human health and wildlife, which provide numerical action levels for metals in environmental media. Criteria are derived using EPA acceptable levels of risk and standard exposure assumptions. The exposure scenarios of the camper is appropriate to both Money Metals and Providence and is a TBCs. Also provides ecological numeric screening criteria to be applied as TBCs.		
			BLM RMC Camper									
		Surface Water (mg/L)										
		Antimony	124									
		Arsenic	93									
		Cadmium	155									
		Copper	11,490									
		Lead	50									
		Manganese	1,548									
		Mercury	93									
		Nickel	6,194									
		Selenium	1,548									
		Silver	1,548									
		Zinc	92,909									
		Metals	<i>Action Level</i>					Metals			<i>Action Level</i>	
			BLM RMC Camper	Mule Deer	Cattle	Robin	Wildlife Median				Resident	Camper
		Soils (mg/kg)						Sediment (mg/kg)				
		Antimony	50	--	NE	NE	NE	Antimony			62	--
		Arsenic	20	200	419	4	275	Arsenic			46	200
		Cadmium	70	--	15	0.3	3	Cadmium			155	3
		Copper	5,000	102	413	7	136	Copper			5,745	102
		Lead	1,000	106	244	6	125	Lead			1,000	106
		Manganese	19,000	--	NE	NE	NE	Manganese			21,679	--
		Mercury	40	9	45	1	8	Mercury			46	9
		Nickel	2,700	--	NE	NE	NE	Nickel			3,094	--
		Selenium	700	--	NE	NE	NE	Selenium			774	--
		Silver	700	--	NE	NE	NE	Silver			774	--
Zinc	40,000	222	1082	43	307	Zinc	46,455	222				

Note: All water concentrations listed are for total metals.

EPA = United States Environmental Protection Agency

MCL = Maximum Contaminant Level

TT¹ = Lead and copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water systems must take additional steps.

BLM RMC = Bureau of Land Management Risk Management Criteria

mg/kg = milligrams per kilogram

mg/L = milligram per liter