

Mine waste contains up to 70 times more lead, cadmium, and zinc than urban soils

Lead and zinc sediment concentrations exceed thresholds above which adverse health effects are expected

**These trace metals travel downstream and distribute throughout the environment...**

**Abandoned metal mine sites contain high concentrations of toxic trace metals, such as lead, cadmium, and zinc**

While lead and zinc sediment concentrations are halved 4 km downstream, they still exceed the expected adverse health effects thresholds

Grasses growing in fields downstream of mine sites have lead concentrations that exceed safe animal forage thresholds

**Posing a toxic threat to animals**

**And contaminating food products**

Eating more than three eggs a day risks adverse health effects



Eating more than two rhubarb stems a day risks adverse health effects

Average blood lead concentration is more than 7 times higher than the lead toxicity threshold



Average bone lead concentration is more than 80 times higher than that of control mice



Developed a lead-associated respiratory disease, and had tissue lead levels indicative of toxicity

