

On the exceptionally high exposure of deer to lead near the Continental Mine

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Woodland caribou
(endangered)





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Based on 6 published studies on ruminants from various sites, we would expect fecal lead concentrations to be:

< 10 ppm.

Lead concentrations in deer pellets from the
Continental Mine before remediation in 2003

920 ± 1900 mg/kg of lead

Lead concentrations in deer pellets from the cap
on Continental Mine and from a reference site,
before and after remediation

	Mine	Reference
2003	920 ± 1900	
2004	950 ± 880	1.7 ± 1.6

Evidence from deer pellets collected in 2004

Mineral content (acid-insoluble ash) of ref. feces \approx 2%

Mineral content of pellets from cap \approx 22%

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Mineral content correlated with lead concentration
in pellets





Cross section of deer pellet from the Continental Mine





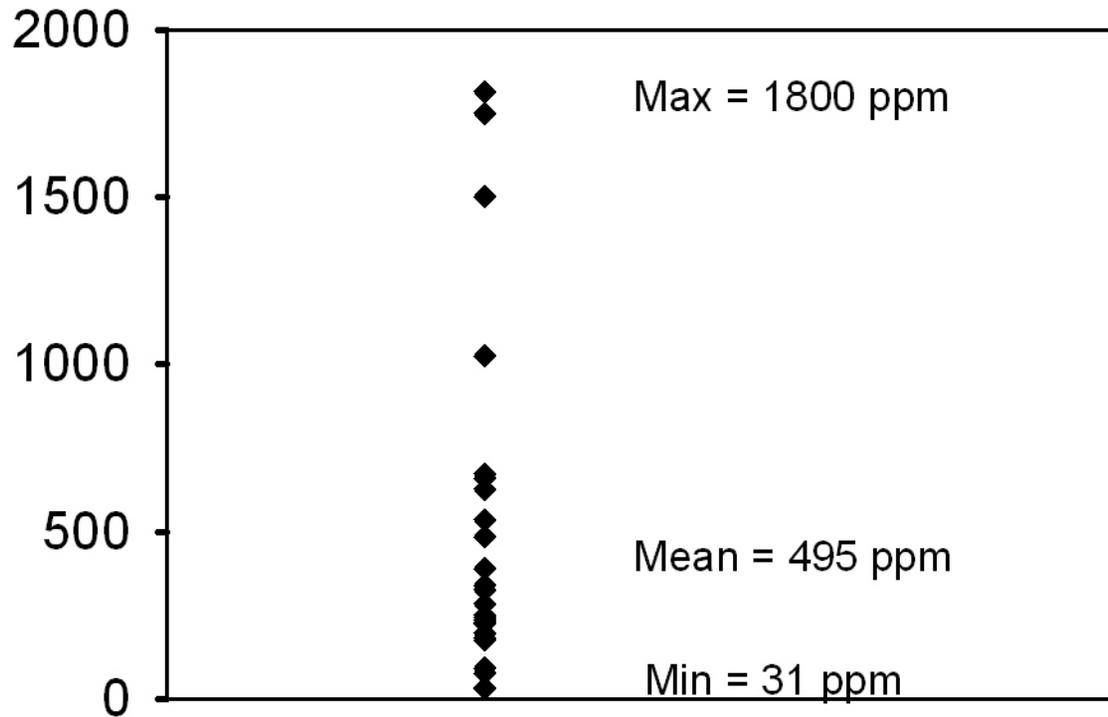
Estimated lead concentration of mineral material in pellets collected on cap

Mean (lead / soil) \approx 6700 ppm

Maximum for a pellet group \approx 25,000 ppm



Soil lead on cap (ppm)









Soil lead on slope well above cap (ppm)

