

**Table 7**  
**Risk Characterization Summary - Lead**  
**Medium-Specific Exposure Point Concentration and Resultant Risks**

**Scenario Timeframe:** Future

**Receptor Population:** Resident (Child)

Exposure Area	Exposure Media	Lead Exposure Point Concentration <sup>1</sup> (EPC)	EPC Units	Geometric Mean Blood Lead Level (ug/dL)	Lead Risk <sup>2</sup>
Eastern Dump Site Area (EDS)	Soil (0-0.5ft) + Groundwater*	280	mg/kg	5.7	11%
Vacant Lot (VL)	Soil (0-0.5ft) + Sediment (0-0.5ft) + Groundwater*	1,592	mg/kg	14	77%
White Sand Branch- West (WSB-W)	Soil (0-0.5ft) + Groundwater*	516	mg/kg	7.5	27%

**Scenario Timeframe:** Future

**Receptor Population:** Recreator

Exposure Area	Exposure Media	Lead Exposure Point Concentration <sup>1</sup> (EPC)	EPC Units	Geometric Mean Blood Lead Level (ug/dL)	Lead Risk <sup>2</sup>
Dump Site Fenced Area (DFA)	Soil (0-2ft) + Sediment (0-0.5ft)	10,720	mg/kg	12	53%

**Scenario Timeframe:** Future

**Receptor Population:** Outdoor Worker

Exposure Area	Exposure Media	Lead Exposure Point Concentration <sup>1</sup> (EPC)	EPC Units	Geometric Mean Blood Lead Level (ug/dL)	Lead Risk <sup>2</sup>
Dump Site Fenced Area (DFA)	Soil (0-2ft)	8,814	mg/kg	14	64%

**Scenario Timeframe:** Current/Future

**Receptor Population:** Construction Worker

Exposure Area	Exposure Medium	Lead Exposure Point Concentration <sup>1</sup> (EPC)	EPC Units	Geometric Mean Blood Lead Level (ug/dL)	Lead Risk <sup>2</sup>
Dump Site Fenced Area (DFA)	Soil (0-10ft)	5,738	mg/kg	18	78%
Northern Commercial Area (NCA)	Soil (0-10ft)	3,454	mg/kg	11	49%

**Footnotes:**

\* Predicted blood lead level probabilities for the child resident includes exposure to the maximum groundwater lead concentration of 36 ug/L.

(1) The lead EPC in soil was the arithmetic mean of all samples collected from a given soil depth interval.

(2) Lead risks are expressed as the probability of having a blood lead level greater than 10 micrograms per deciliter (ug/dL); EPA's risk reduction goal is to limit the probability of a child's blood lead concentration exceeding 10ug/dL to 5% or less.

**Definitions:**

ft bgs = Feet below ground surface

J = Estimated (qualifier)

NA = not available