Areawide Soil Lead & Arsenic Impacts on Groundwater

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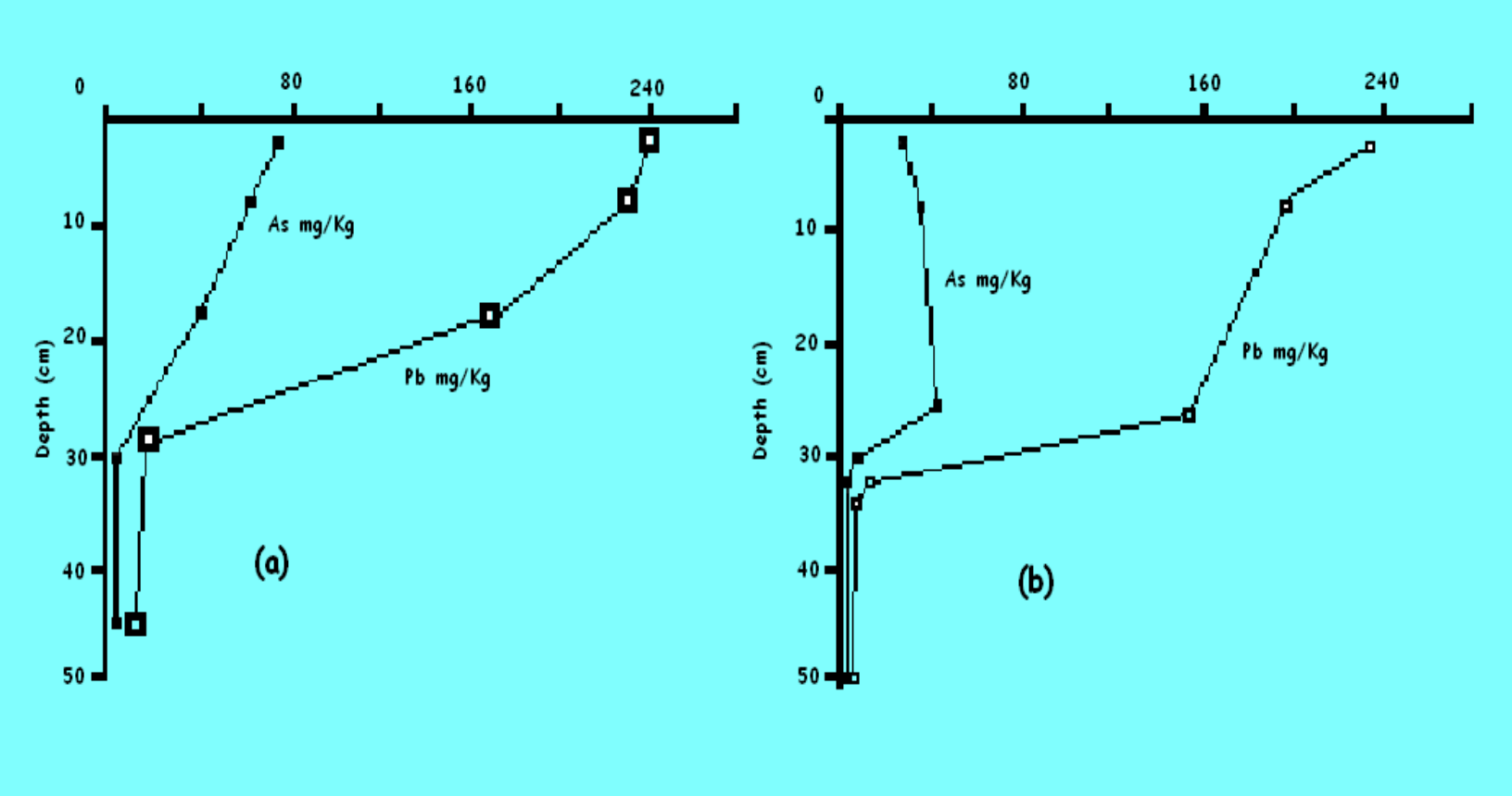
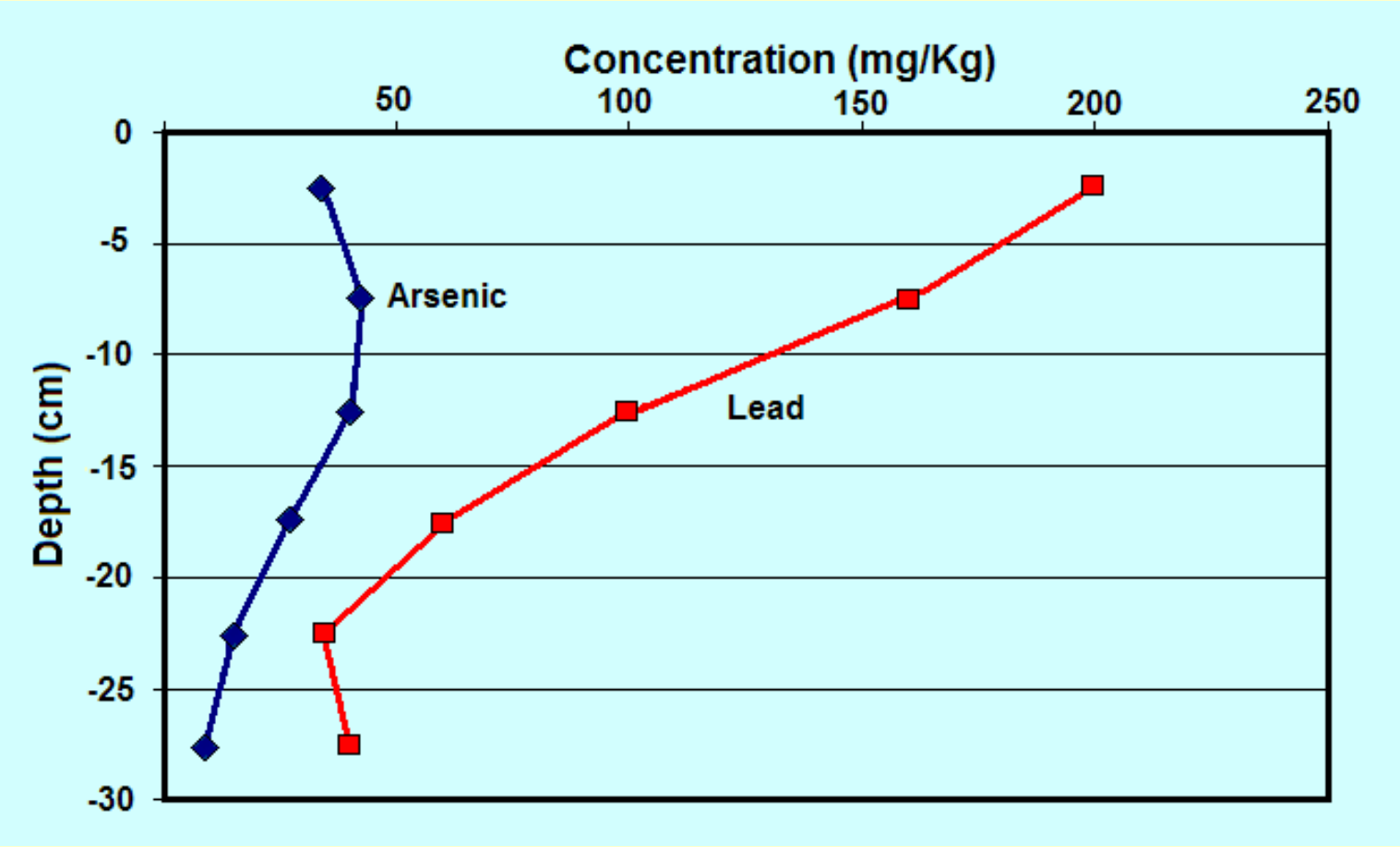
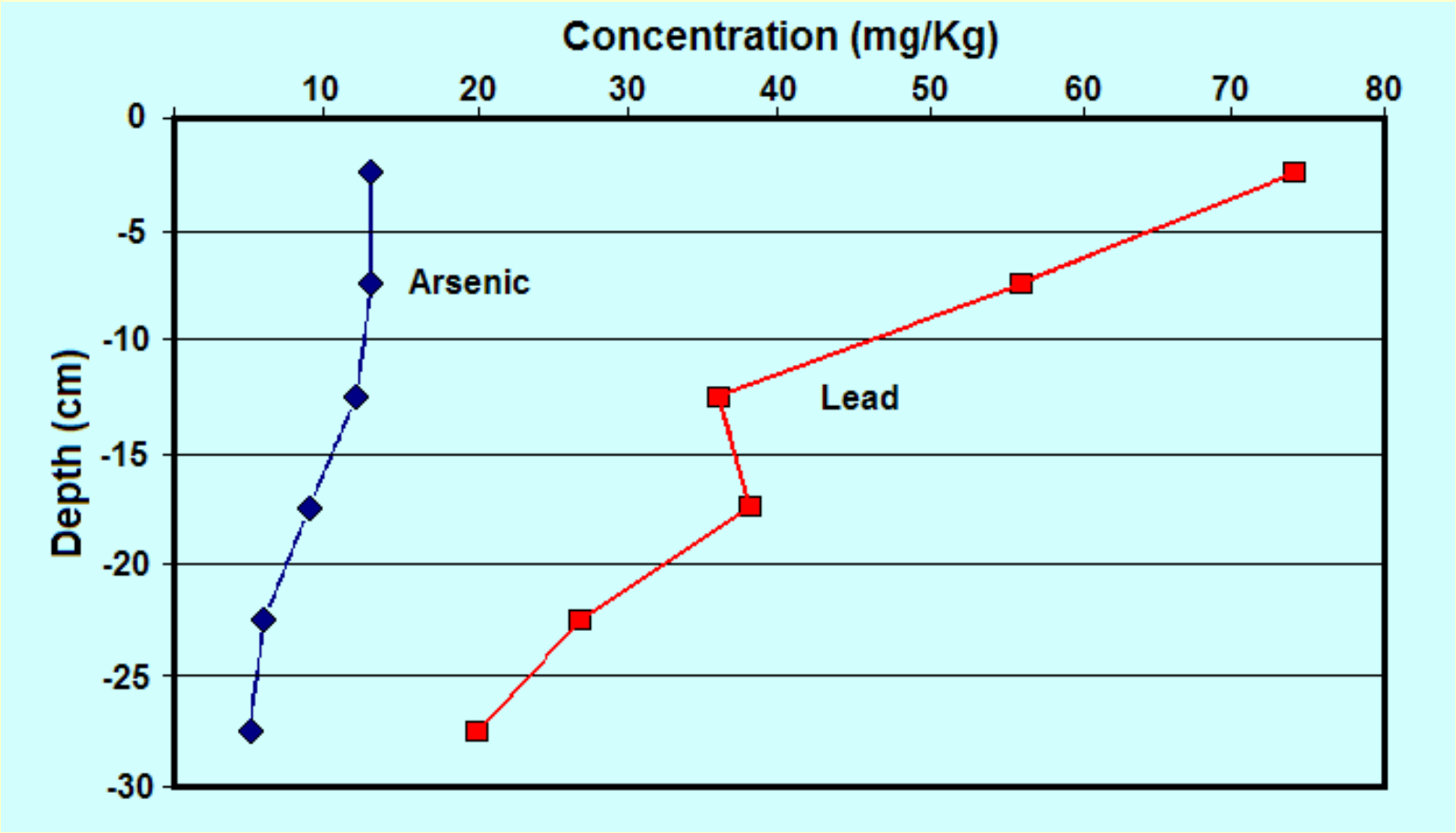
Australia/Tasmania Orchards (Merry, Tiller & Alston, 1983)



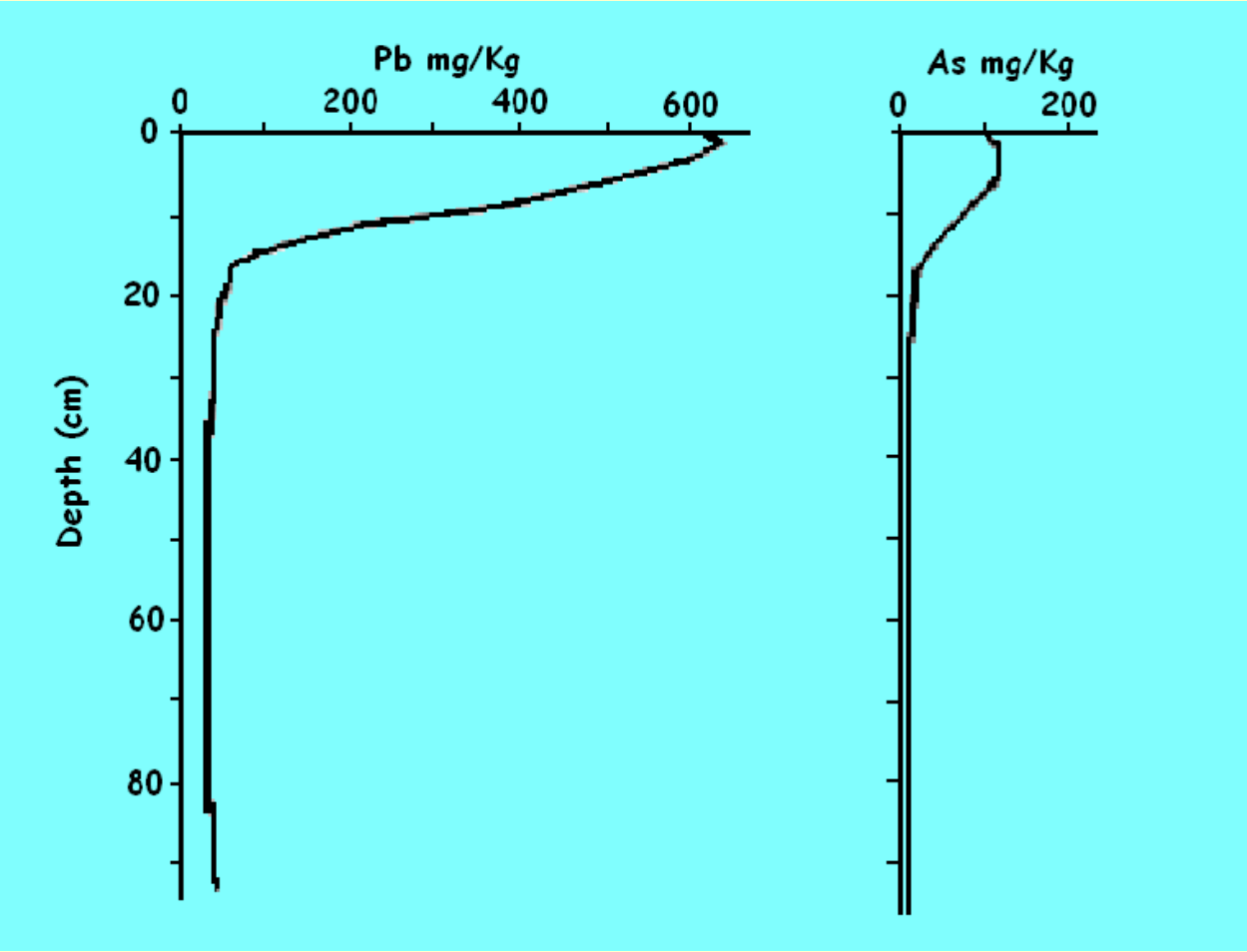
Ontario, CAN Orchard-Sand (Elfving et. al, 1994)



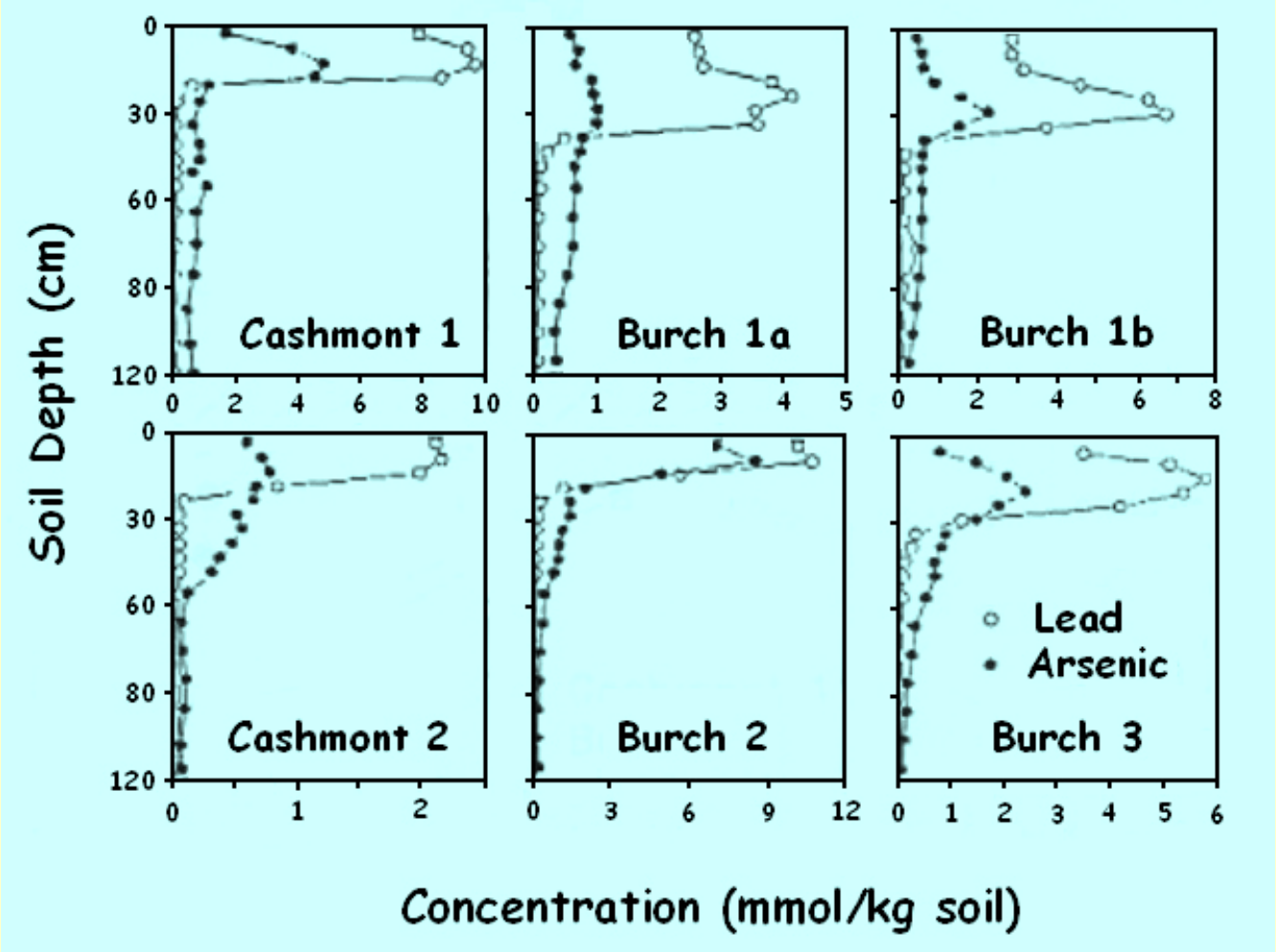
Ontario, CAN Orchard-Clay Loam (Elfving et. al, 1994)



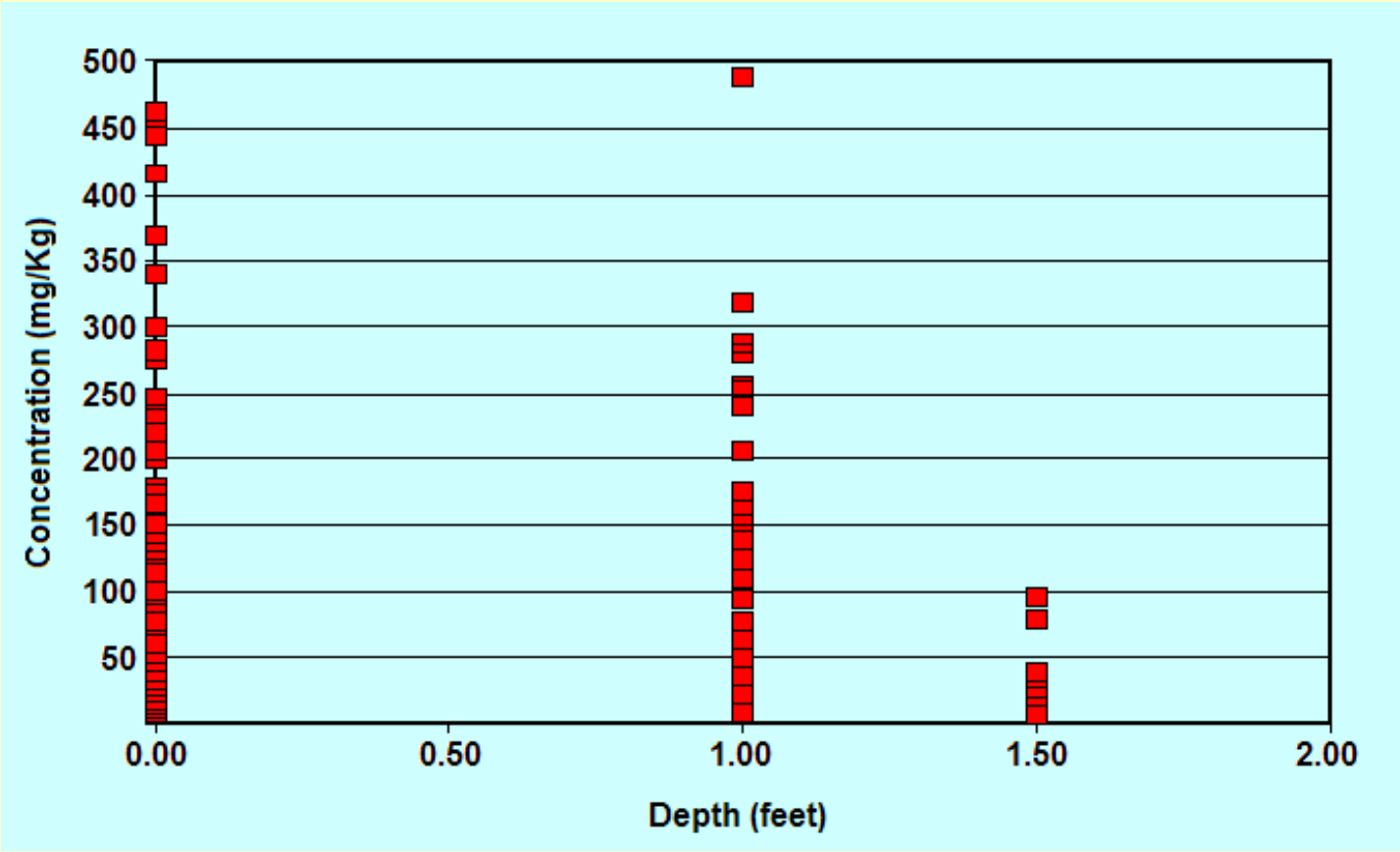
Amherst, MA Orchard (Veneman, Murray & Baker, 1983)



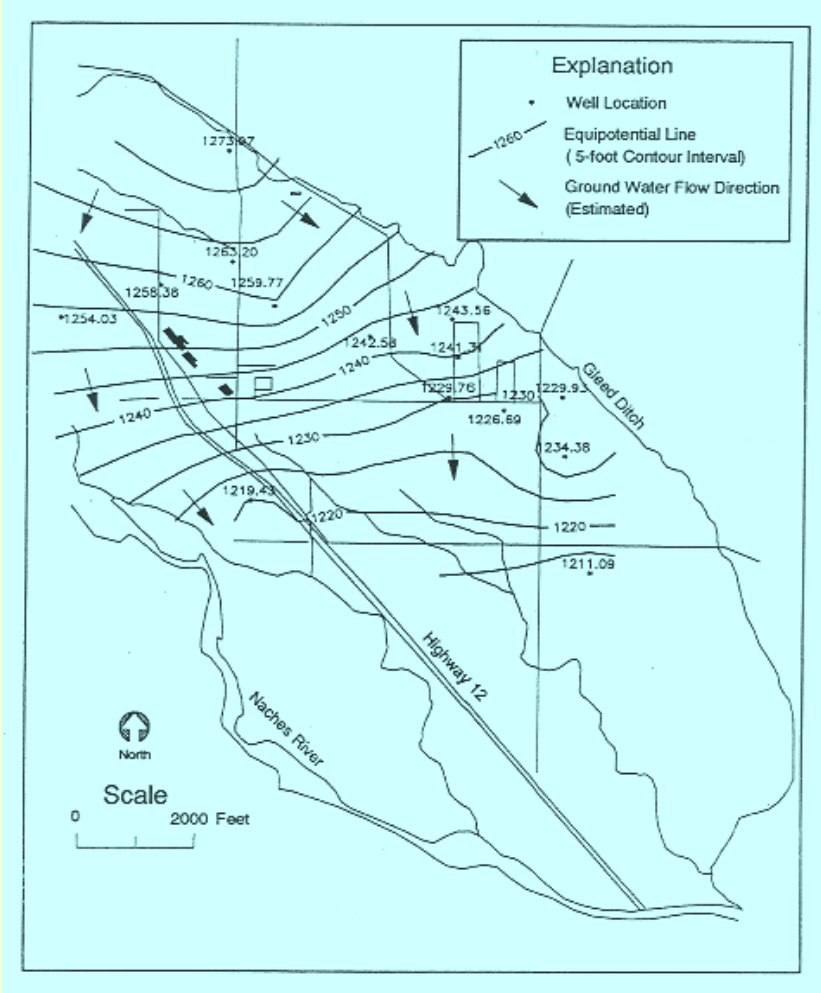
Central WA Orchards (Peryea & Creger, 1994)



Lead in Converted Orchards & Smelter Impacted Areas (Ecology, 2000-01)



Gleed, WA Orchard Study (Erickson,1992)



	As ug/l	Pb ug/l
# Samples	27	27
Mean	2.1	1.1
Median	1.2	0.5
Minimum	<1.5	<1
Maximum	5.4	2.8

Northern MI Roads (Francek, 1996)

Depth (cm)	Soil Lead Concentration (mg/Kg)				
	ADT<50* (n = 2)	ADT = 820 (n = 1)	ADT = 1600 (n = 1)	ADT = 8200 (n = 1)	ADT = 8600 (n = 1)
2	<1	10	183	90	80
20	15	<1	20	213	45
50	<1	<1	<1	<1	<1
100	<1	<1	10	<1	<1

*Median value

ADT = Average daily traffic volume