

Yellowknife Community Garden Collective
Weledeh Garden

Overall Physical and Chemical Properties

Date	Parameter	Value	Optimal Value	Notes
Fall 2012	pH	6.3	6 - 7	
	Texture			
	% Organic Matter	15.1		loss on ignition

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Contaminants (CCME Metals)					
Date	Parameter	Value	CCME Contaminant Guideline - Agriculture (mg/kg)	Nutrient Recommended Value (mg/kg)	Notes
Fall 2012	Antimony (Sb)	0.3	20		
	Arsenic (As) - inorganic	16.8	12		This level seems reasonable for the YK area.
	Barium (Ba)	48	750		
	Beryllium (Be)	0.1	4		
	Boron (B)	1	2	>3.5	
	Cadmium (Cd)	0.08	1.4		
	Chromium (Cr)	12.9	64		
	Cobalt (Co)	3.9	40		
	Copper (Cu)	17	63	>1.0	
	Lead (Pb)	3.9	70		
	Mercury (Hg) - inorganic	0.01	6.6		
	Molybdenum (Mo)	1	5		
	Nickel	10.7	50		
	Selenium (Se)	1.1	1		
	Silver (Ag)	0.1	20		
	Thallium (Th)	0.05	1		
	Tin (Sn)	2	5		
	Vanadium (V)	12.9	130		
	Zinc (Zn)	19	200		

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Weledeh Garden - Sample 4 Fall 2012

* We have assumed a soil depth of 30 cm (12") to convert soil test values from ppm to kg/ha. Calculation: $\text{kg/ha} = \text{ppm} \times 2 \times \text{sample depth (30cm)} / 15 \text{ cm}$, as suggested by the Practical Use of Soil Analysis Guide.

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