Supplementary Table. Comparison of trace mineral concentrations (mg/kg, dry weight) found in Northern Mountain caribou (this study) and other caribou herds/ecotypes in various parts of Canada.

	Liver			Kidney		
Element	NM Caribou (mean (SD))	Other Herds (mean (herd, *reference*))	Comparison (t-test)	NM Caribou (mean (SD))	Other Herds (mean (herd, *reference*))	Comparison (t-test)
Cd	5.45(4.13)	1.96 (Bathurst, *Elkin and Bethke, 1995*) 3.69 (Arviat, *Elkin and Bethke, 1995*) 2.24 (Cape Dorset, *Elkin and Bethke, 1995*) 4.39 (Lake Harbour, *Elkin and Bethke, 1995*) 1.18 (Leaf River, *Robillard et al.,2002*) 0.94 (George River, *Robillard et al., 2002*) 4.52 (General, *Gamberg (unpublished data*))	NM Higher	52.58(28.94)	9.68 (Bathurst, *Elkin and Bethke, 1995*) 33.87 (Arviat, *Elkin and Bethke, 1995*) 18.79 (Southampton, *Elkin and Bethke, 1995*) 14.06 (Cape Dorset, *Elkin and Bethke, 1995*) 31.98 (Lake Harbour, *Elkin and Bethke, 1995*) 8.93 (Leaf River, *Robillard et al.,2002*) 5.23 (George River, *Robillard et al., 2002*) 12.23 (Banks Island, *Larter and Nagy, 2000*) 42.60 (Bluenose, *Larter and Nagy, 2000*) 21.90 (Porcupine, *Gamberg, 2013*) 21.00 (Qamanirjuac, *Gamberg, 2013*) 38.8 (General, *Gamberg (unpublished data*)) 24.8 (Porcupine, *Gamberg et al., 2020*)	NM Higher
Co	0.23(0.07)	0.30 (General, *Gamberg (unpublished data*)	NM Lower*	0.44(0.16)	0.32 (General, *Gamberg (unpublished data*))	NM Higher*
Cu	215.12(128.35)	83.63 (Bathurst, *Elkin and Bethke, 1995*) 51.85 (Arviat, *Elkin and Bethke, 1995*) 120.76 (Cape Dorset, *Elkin and Bethke, 1995*) 105.36 (Lake Harbour, *Elkin and Bethke, 1995*)	NM Higher*	24.52(4.74)	49.73 (Bathurst, *Elkin and Bethke, 1995*) 40.1 (Arviat, *Elkin and Bethke, 1995*) 27.76 (Southampton, *Elkin and Bethke, 1995*) 43.65 (Cape Dorset, *Elkin and Bethke, 1995*)	NM within range

		116.21 (General, *Gamberg (unpublished data*))			29.57 (Lake Harbour, *Elkin and Bethke, 1995*) 22.80 (Porcupine, *Gamberg, 2013*) 22.00 (Qamanirjuac, *Gamberg, 2013*) 24.95 (General, *Gamberg (unpublished data*)) 24.3 (Porcupine, *Gamberg et al., 2020*)	
Fe	470.30(295.61)	1594.97 (Bathurst, *Elkin and Bethke, 1995*) 701.84 (Arviat, *Elkin and Bethke, 1995*) 3627.66 (Cape Dorset, *Elkin and Bethke, 1995*) 3956.18 (Lake Harbour, *Elkin and Bethke, 1995*) 1065.15 (General, *Gamberg (unpublished data*))	NM Lower*	192.12(89.55)	237.26 (Bathurst, *Elkin and Bethke, 1995*) 217.67 (Arviat, *Elkin and Bethke, 1995*) 194.94 (Southampton, *Elkin and Bethke, 1995*) 440.85 (Cape Dorset, *Elkin and Bethke, 1995*) 342.99 (Lake Harbour, *Elkin and Bethke, 1995*) 217.69 (General, *Gamberg (unpublished data*))	NM Lower
Pb	0.06(0.08)	0.38 (Bathurst, *Elkin and Bethke, 1995*) 0.25 (Arviat, *Elkin and Bethke, 1995*) 2.64 (Cape Dorset, *Elkin and Bethke, 1995*) 3.38 (Lake Harbour, *Elkin and Bethke, 1995*) 0.89 (Leaf River, *Robillard et al.,2002*) 0.89 (George River, *Robillard et al., 2002*) 0.73 (General, *Gamberg (unpublished data*))	NM Lower*	1.95(12.45)	0.11 (Bathurst, *Elkin and Bethke, 1995*) 0.10 (Arviat, *Elkin and Bethke, 1995*) 0.33 (Southampton, *Elkin and Bethke, 1995*) 0.42 (Cape Dorset, *Elkin and Bethke, 1995*) 0.47 (Lake Harbour, *Elkin and Bethke, 1995*) 0.28 (Leaf River, *Robillard et al.,2002*) 0.20 (George River, *Robillard et al., 2002*) 0.98 (Banks Island, *Larter and Nagy, 2000*) 0.21 (Bluenose, *Larter and Nagy, 2000*) 0.09 (Porcupine, *Gamberg, 2013*)	NM Higher

					0.30 (Qamanirjuac, *Gamberg, 2013*) 1.20 (General, *Gamberg (unpublished data)*)	
Mn	6.47(3.59)	12.62 (Bathurst, *Elkin and Bethke, 1995*) 10.84 (Arviat, *Elkin and Bethke, 1995*) 8.60 (Cape Dorset, *Elkin and Bethke, 1995*) 15.85 (Lake Harbour, *Elkin and Bethke, 1995*) 10.54 (General, *Gamberg (unpublished data)*)	NM Lower*	5.84(2.44)	8.96 (Bathurst, *Elkin and Bethke, 1995*) 12.03 (Arviat, *Elkin and Bethke, 1995*) 9.73 (Southampton, *Elkin and Bethke, 1995*) 11.66 (Cape Dorset, *Elkin and Bethke, 1995*) 18.62 (Lake Harbour, *Elkin and Bethke, 1995*) 8.00 (General, *Gamberg (unpublished data)*)	NM Lower*
Mo	1.84(0.75)	2.64 (General, *Gamberg (unpublished data)*)	NM Lower*	0.91(0.33)	0.76 (General, *Gamberg (unpublished data*)	NM Higher*
Se	1.70(1.32)	0.52 (General, *Gamberg (unpublished data)*)	NM Higher*	4.92(0.69)	4.80 (Porcupine, *Gamberg, 2013*) 4.20 (Qamanirjuac, *Gamberg, 2013*) 3.73 (General, *Gamberg (unpublished data)*) 4.5 (Porcupine, *Gamberg et al., 2020*)	NM Higher
Zn	87.21(47.95)	114.11 (Bathurst, *Elkin and Bethke, 1995*) 92.27 (Arviat, *Elkin and Bethke, 1995*) 75.84 (Cape Dorset, *Elkin and Bethke, 1995*) 76.27 (Lake Harbour, *Elkin and Bethke, 1995*) 101.16 (General, *Gamberg (unpublished data)*)	NM within range	127.91(16.14)	123.49 (Bathurst, *Elkin and Bethke, 1995*) 120.86 (Arviat, *Elkin and Bethke, 1995*) 111.87 (Southampton, *Elkin and Bethke, 1995*) 106.73 (Cape Dorset, *Elkin and Bethke, 1995*) 96.75 (Lake Harbour, *Elkin and Bethke, 1995*) 107.80 (Porcupine, *Gamberg, 2013*) 107.90 (Qamanirjuac, *Gamberg, 2013*) 114.00 (General, *Gamberg (unpublished data*)	NM Higher

* = Northern Mountain caribou mean element concentration (this study) is significantly different than ***all*** available means from other Canadian herds, at $p < 0.05/m$, where m is the number of 'other herd' means being tested against for each element (i.e. Bonferroni correction applied due to multiple comparisons).