

FORAGE SELENIUM VALUES						
OF						
VARIOUS WILD SHEEP AND GOAT RANGES 2002						
Mountain Range	Location	Sample #	Geology	Habitat	Se ppm	Mean Values
Wind River	Middle Mtn.	#18MM	granitic	felfield	0.0399	0.0717
	Goat Flat	#D18	granitic	felfield	< 0.020	
	Horse Ridge	# NOLS 3	granitic	felfield	0.0419	
	N.of Ind.Pass	# NOLS 2	granitic	alp.meadow	0.0426	
	Ind.Pass	# NOLS 1	granitic	felfield	0.193	
	Roaring Fork	# 28 RF	granitic	grassland	0.0935	
				Mean =	0.0717	
			Stdev	0.0644		
Gros Ventre	Red Hills	# GV 22	gray rock?	open grassland	0.247	0.589
	Red Hills	# GV 23	phosphoria?	open grassland	0.107	
	Red Hills	# GV 24	glacial	open grassland	1.73	
	Red Hills	# GV 26	triasic	open grassland	0.272	
				Mean =	0.5890	
			Stdev	0.7641		
Absoroka	Pinnacles	# AR 27	vol. breccia	open grassland	0.126	0.126
Owl Creek	Black Ridge	# PH 1			0.118	0.225
	Black Ridge	# PH 2			0.0783	
	Black Ridge	# PH 3			0.480	
				Mean =	0.2254	
			Stdev	0.2214		
Purcell (mt. goat)	Lower Abel	Abel # 1	shale/slate	mixed grass conifer	0.0300	0.0612
	Upper Abel	Abel # 2	shale/slate	mixed grass conifer	0.0924	
				Mean =	0.0612	
			Stdev	0.0441		
Lemhi	Rocky Run	# 1A		semi open grass/forest	0.0465	0.0399
	Rocky Run	# 2A		semi open grass/forest	0.0332	
				Mean =	0.0399	
			Stdev	0.0094		
Fraser River		# 1 Fraser		grassland burn 02	0.0363	0.0568
		# 2 Fraser		burn 02	< 0.020	
		# 3 Fraser		burn 02	< 0.020	
		# 4 Fraser		burn 01	< 0.020	
		# 5 Fraser		burn 01	0.0372	
		# 6 Fraser		burn 01	0.0458	
		# 7 Fraser		no burn	0.249	
		# 8 Fraser		no burn	0.0442	
		# 9 Fraser		no burn	0.0419	
				Mean =	0.0568	
			Stdev	0.0729		
British Columbia	Foot Hills	BC # 1		dry grassland	0.0498	0.044
	Golf Course	BC # 2		golf course	0.0332	
	Golf Course	BC # 3		golf course	0.0488	
			Mean =	0.0439		
			Stdev	0.0093		
Sierra Nevada	Black Mtn.	(#19) 80202	granitic		0.401	0.284
	Black Mtn.	(#20) 80202	granitic		0.0552	
	Bloody Mtn.	(#21) 80202	metamorphic		0.398	
				Mean =	0.2847	
			Stdev	0.1988		
Ranges where sheep populations are declining or Mountain Goats have a history of White Muscle Disease (Purcell).						
A die-off occurred here in 2002 - Se levels can be in the toxic range at times.						
Ranges where sheep populations are relatively stable.						