



CHARACTERISTICS OF SOME MESOZOIC PLUTONS IN SOUTHEASTERN BRITISH COLUMBIA												
PLUTON	LOCATION	TERRANE	ISOTOPIC AGE (Ma)	ASSOCIATED MINERALIZATION	RELATIONSHIP TO TECTONISM	INTRUSIVE HISTORY (EMPLACEMENT PRESSURE)	COMPOSITION OF PHASES	TEXTURE	MAFIC MINERALS	ACCESSORY MINERALS	DIKES	
SHUSWAP MID TO LATE CRETACEOUS												
Northern Monashee	Adams River	K	(U-Pb) 67-67; 70-71 (z)	post-tectonic	Cooling, 500-300°C	Ieo-GRNT	m, gr., variably foliated, euhedral, syn-tectonic, 200-300°C	peraluminous	SiO ₂ 57.71%			
			(U-Pb) 100 (z)						SiO ₂ 56.95% [20], 56.99% [49], 56% [50]			
Baldy	550 km E	K / Shuswap	(U-Pb) 115-146 (2); (Ar-Ar) 90 (se)	Mo, Cu, Mo, Au-Cu, Cu-Au, Cu-Mo, Au-Cu, Cu-Mo	west-trending post deformation	BATH 1 (grz-mu-z-grz)	c, gr., euhedral and megacrystic potassium feldspar	bi, hb	ep, ms, ap, sp, pegmatite, aplite	peraluminous		
			(U-Pb) 104-130 (2); (Rb-Sr) 8.5-9.2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
Anstey	pluton	K / Shuswap	(U-Pb) 90 ± 1.2 (2)	Mo, W-Au	north-trending	sheared and interbedded	hb	ep, ms, ap, sp, pegmatite, aplite	metamorphous			
			(U-Pb) 90 ± 1.2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SHUSWAP MID JURASSIC	Honeyman Bay	K / Shuswap	(U-Pb) 107 ± 7.8 (2)	Cu	syn to late deflection	BATH 1 (grz-mu-z-grz)	c, gr., megacrystic potassium feldspar	bi, hb, ep	ep, ms, z	foliated phyllitic adjacent to contact	metamorphous	
			(U-Pb) 107 ± 7.8 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS LATE CRETACEOUS	Dowker stock	K / Shuswap	(U-Pb) 66.3 ± 3; (Ar-Ar) 78 (2)	Cu	post deformation	<BATH 2 (grz-mu-z-grz)	GMQT	f.m., gr., euhedral	metasedimentary veins	weakly peraluminous	[30]	
			(U-Pb) 66.3 ± 3; (Ar-Ar) 78 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID TO LATE CRETACEOUS	Dowker stock	K / Shuswap	(U-Pb) 67 ± 3	Mo	post deformation	<BATH 2 (grz-mu-z-grz)	GMQT	f.m., gr., euhedral	metasedimentary veins	weakly peraluminous	[30]	
			(U-Pb) 67 ± 3; (Ar-Ar) 78 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID TO LATE CRETACEOUS	Goldstream	K / N/A	(U-Pb) 104-141 ± 8 (2)	Mo, W-Mo, W-Mo	post deformation;	BATH 3 (grz-mu-z-grz)	GMZD, GRNT	m, gr., potassiosilicic megacrystic, margins	metasedimentary veins	metamorphous, weakly peraluminous	[32], [33]	
			(U-Pb) 104-141 ± 8 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
Long Creek	411132	K	(U-Pb) 89 (2)	Mo	post deformation;	<BATH 2 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]	
			(U-Pb) 89 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
Shuswap	4156901	K / Shuswap	(U-Pb) 100-105 (2)	W	W	post deformation;	BATH 2 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic, margins	metasedimentary veins	metamorphous	[30]
			(U-Pb) 100-105 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
Battle Range	470502	K / N/A	(U-Pb) 82 (2)	Mo	post to late deflection	BATH 2 (grz-mu-z-grz)	GRNT	m, gr., euhedral and porphyritic	bi, hb, ap, sp, z, ap, sp, aplite	metamorphous	[30]	
			(U-Pb) 82 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID TO LATE CRETACEOUS	Baldy	419800	(U-Pb) 95.3 ± 9.4 (2)	Mo, Sr-Pb-Zn-Au	post deformation;	BATH 2 (grz-mu-z-grz)	GRNT	m, gr., euhedral and porphyritic	bi, hb, ap, sp, z, ap, sp, aplite	metamorphous	[30]	
			(U-Pb) 95.3 ± 9.4 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS LATE JURASSIC	Baldy	419800	(U-Pb) 107 ± 2 (2)	W-Mo	post deformation;	BATH 2 (grz-mu-z-grz)	GRNT	m, gr., euhedral and porphyritic	bi, hb, ap, sp, z, ap, sp, aplite	metamorphous	[30]	
			(U-Pb) 107 ± 2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS LATE JURASSIC-EARLY CRETACEOUS	Baldy	419800	(U-Pb) 141-141 ± 7 (2)	Cu	late to post deflection	syn-tectonic (grz-k-f)	No-DQZN	gr. pyroclastic, megacrystic	metasedimentary veins	metamorphous	[31], [32]	
			(U-Pb) 141-141 ± 7 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID TO LATE CRETACEOUS	Baldy	419800	(U-Pb) 141-141 ± 7 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GMZD, GRNT	m, gr., potassiosilicic megacrystic, margins	metasedimentary veins	metamorphous, weakly peraluminous	[32], [33]	
			(U-Pb) 141-141 ± 7 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID JURASSIC	Castlegar	415164	(U-Pb) 109-110 ± 3.4 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]	
			(U-Pb) 109-110 ± 3.4 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID JURASSIC	Frost Creek	4156901	(U-Pb) 112 ± 2 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]	
			(U-Pb) 112 ± 2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID JURASSIC	Heather	4156901	(U-Pb) 112 ± 2 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]	
			(U-Pb) 112 ± 2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID JURASSIC	Heather	4156901	(U-Pb) 112 ± 2 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]	
			(U-Pb) 112 ± 2 (2)						SiO ₂ 57.74% [20], 57.74% [49], 56% [50]			
SELKIRK MOUNTAINS MID JURASSIC	Heather	4156901	(U-Pb) 112 ± 2 (2)	Mo	post deflection;	BATH 3 (grz-mu-z-grz)	GRNT	m, gr., potassiosilicic megacrystic	metasedimentary veins	metamorphous	[30]</td	