

**Table 1: Table of Formations in the Fernie-Elk Valley Area
Part B: Devonian to Permian**

unconformity									
Permian	Rocky Mountain Supergroup	Ishbel Group 0-500m	Ranger Canyon Formation 0-36m		chert, with sandstone, siltstone, phosphatic conglomerate				
			Ross Creek Formation 0-150 m		phosphatic siltstone, chert, limestone, basal conglomerate				
			Telford Formation 0-240 m		fossiliferous limestone and dolomite, sandy and silty in part, and chert				
			Johnson Canyon Formation 0-60 m		phosphatic siltstones, chert, basal chert-phosphate conglomerate				
unconformity									
Pennsylvania	Rocky Mountain Supergroup	Spray Lakes Group 60-625m	Kananaskis Formation 0-60m		silty and sandy dolomite, siltstones and chert breccia				
			Misty Formation 60-610 m		sandstone with minor amounts of siltstone and dolomite				
unconformity									
Mississippian	Rundle Group	Mount Head Formation 200-680 m	Todhunter Mbr 15-48m		brightly coloured siltstone, dolomite and calc. sandstone				
			Etherington Formation 100-469m		dolomite, crinoidal and oolitic limestones, green and maroon shale, anhydrite, sandstone, and siltstone				
			Opal Mbr 200-240 m	Carnarvon Mbr 23-90 m		dark-grey weathering skeletal, oolitic, micritic and arg. limestones and calc. shale	micritic and skeletal limestone with lesser amounts of calcareous shale		
				Marston Mbr 18-68 m			silty dolomite and anhydrite, lesser amounts of limestone and shale		
			Loomis Mbr 30 -100 m		oolitic, crinoidal, and micritic limestone, and fine to medium crystalline dolomite				
			Salter Mbr 29-67 m		silty and sandy dolomite, anhydrite with crinoidal grainstone and packstone increasing to west				
			Baril Mbr 11-39 m		oolitic, micritic and crinoidal limestone				
			Wileman Mbr 8-25m		silty dolomite and anhydrite				
			Livingstone Formation 200-450 m		fine to coarse crinoidal grainstones and packstones, and fine crystalline dolomite.				
			Banff Formation 250-850 m		dark cherty limestones and shales				
			Exshaw Formation 6-150 m		black organic shale, siltstone, chert				
			Palliser Formation 175-500? m		limestone, dolomite and anhydrite (solution breccia in outcrop)				
			Upper Devonian	Fairholme Group	Sassenach Fm 0-200 m	Alexo Formation 5-30 m		sandstone, siltstone, sandy and silty carbonate	silty carbonate and anhydrite (solution breccia in outcrop)
						Mount Hawk Fm (basinal) 0-150 m	Peechee Mbr 0-250 m	Southesk Formation	Nisku Formation 20-65 m
"Ireton" 0-3m		dark grey dolomite							
Perdrix Formation	Borsato Formation 15-60 m	Cooking Lake Formation 50-60 m			grey argillaceous limestone, part silty	arg. carbonate			
						Leduc Formation 200 m		light grey coarse dolomite, dolomite and anhydrite	
Hollebeke Formation 120-240 m	Beaverhill Lake Group 100 m	dark calc. shale and shaly limestone			dark crystalline dolomite	limestone, dolomite, anhydrite			
						limestone, dolomite, and anhydrite (solution breccia in outcrop)			
Yahatinda Formation 0-30 m		sandy and silty dolomite, dolomitic siltstone and sandstone							
Middle Devonian	unconformity								