Cambrian	Ordovician	Sil.	Devonian	Carbon.	Per.	Tri.	Jurassic	Cretaceous	Tertiary	Q.	
											Source rock
											Reservoir rock
											Seal rock
											Overburden
							?				Trap formation
											HC generation/migration
											Preservation
											Critical moment

Figure 61. Petroleum event chart for a Carboniferous-Jurassic/Lower Cretaceous petroleum system (Blackie/Ford Lake source-Porcupine River/Mount Goodenough/Rat River/Sharp Mountain reservoir) and a Jurassic/Lower Cretaceous system (Porcupine River/Mount Goodenough/Whitestone River source-Porcupine River/Mount Goodenough/Rat River/Sharp Mountain reservoir). Structural trap formation is described as pre-Albian (Lane, 2010) in the play, so the timing of initiation of trap formation is unknown. The critical moment for oil and gas generation (arrow) in the Sharp Mountain sub-basin occurred during mid-Tertiary time, the midway point of thermal oil and gas generation derived from the burial history diagrams of Link and Bustin (1989). Sil.-Silurian, Carbon.-Carboniferous, Per.-Permian, Tri.-Triassic, Q.-Quaternary.