

# Exploration and mining highlights, North Central and Northeast regions, 2021

### Overview

The Northeast Region is prospective for coal and industrial minerals and, at present, has three producing coal mines, Conuma Coal Resources Limited's Brule, Willow Creek and Wolverine operations. In the far north of the region, Fireside Minerals Ltd. produces barite from its Fireside mine to supply the oil and gas drilling industry. There was one metals exploration project.

The North Central Region is prospective for copper, gold, silver, zinc, lead, specialty metals, and rare earth elements, mostly in porphyry, vein and stockwork, SEDEX, and carbonatite settings.

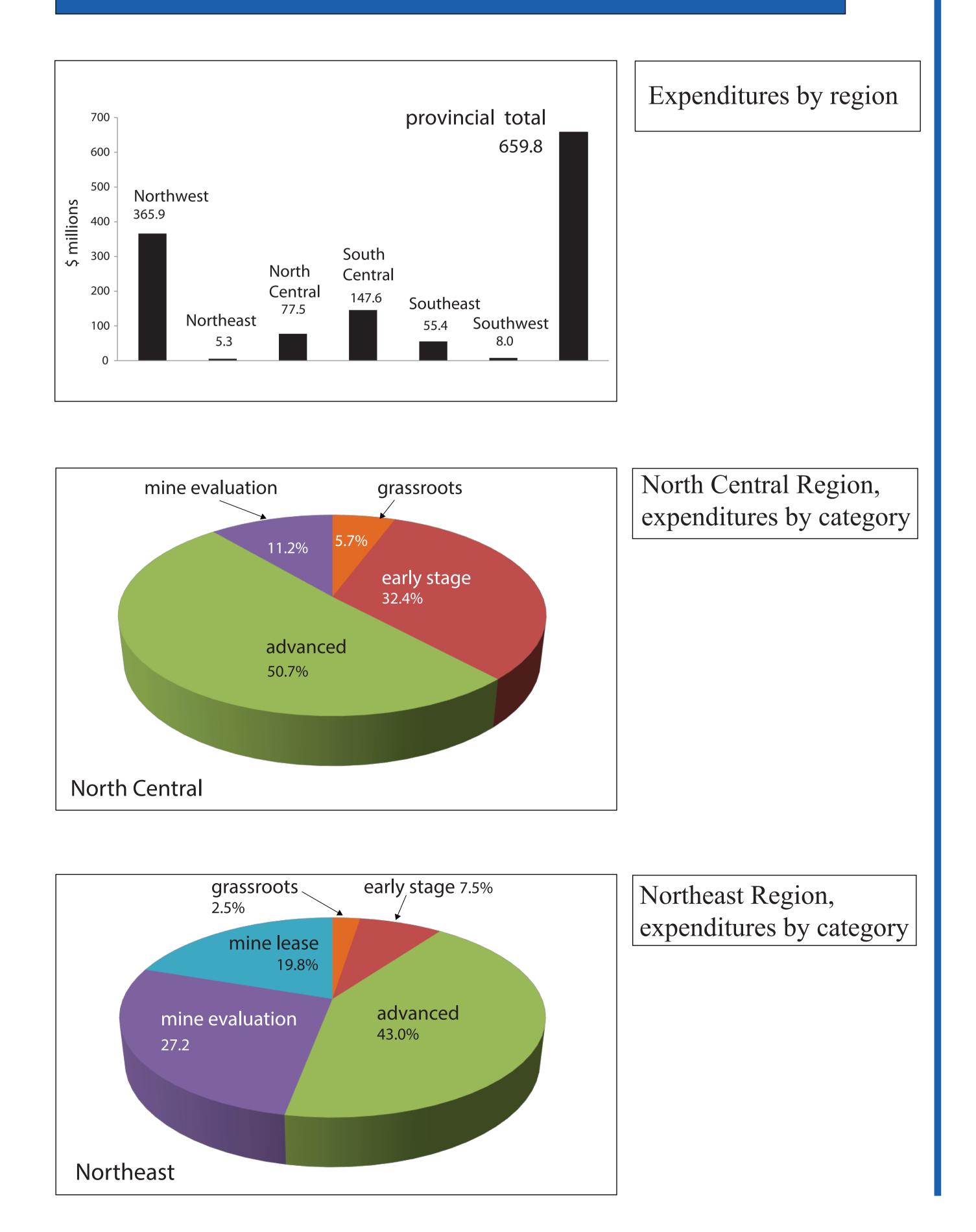
Mount Milligan copper-gold operation (Centerra Gold Inc.) is the only producing mine in the region.

## Exploration and drilling estimates

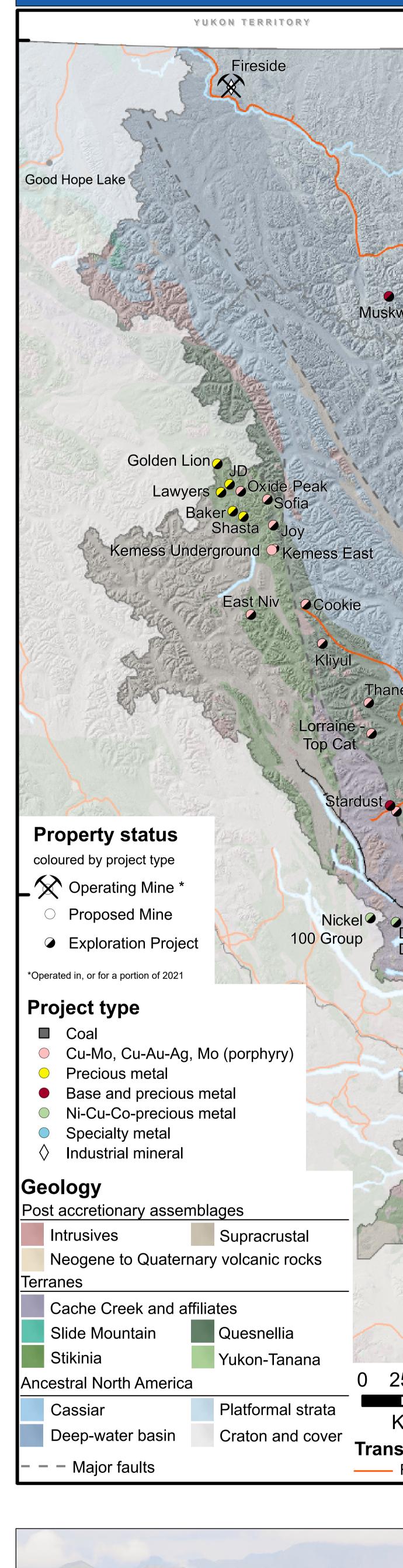
For the North Central Region, exploration expenditures were estimated at \$77.5 million and exploration drilling was estimated at  $\sim$  170,900 m.

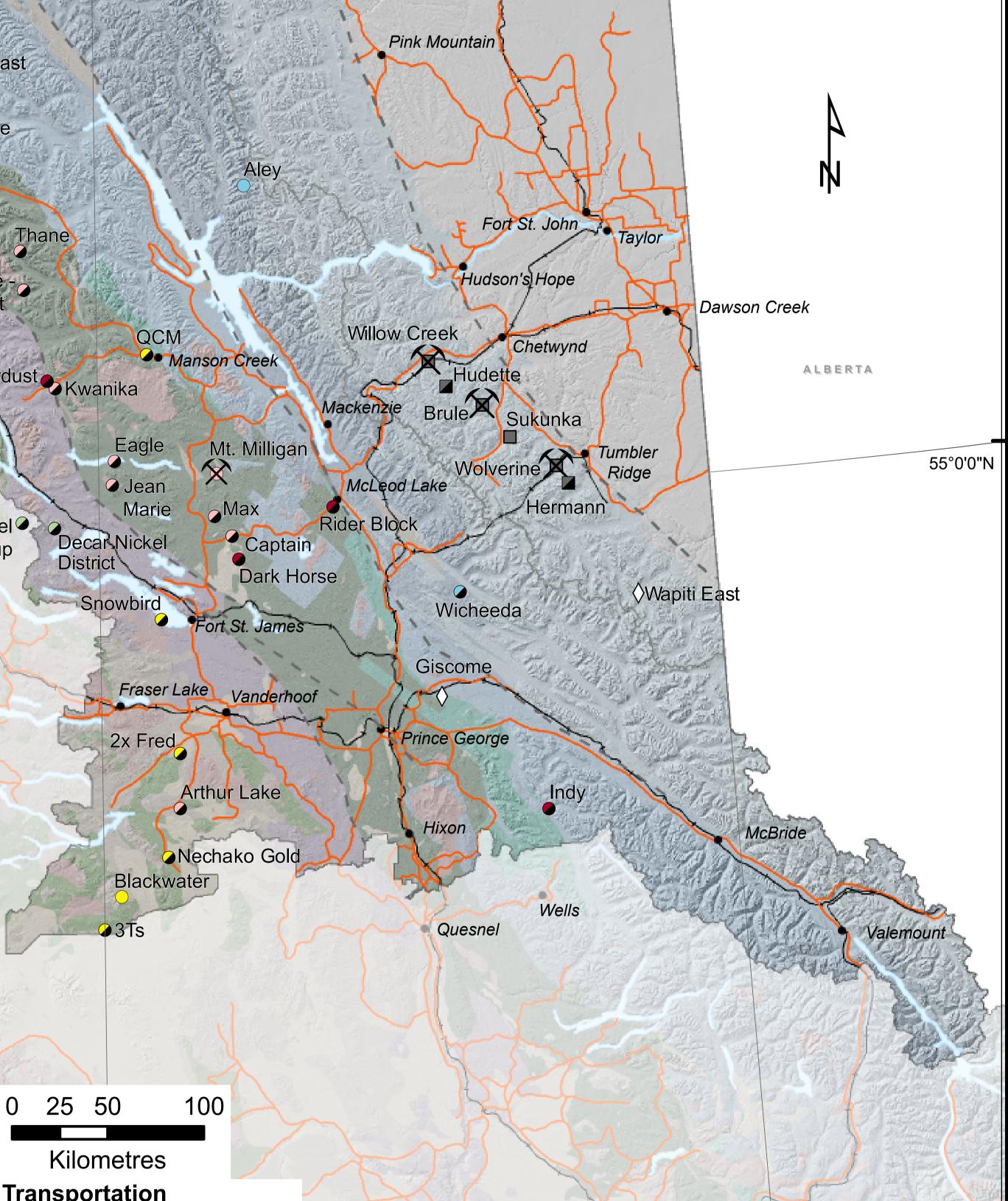
For the Northeast Region exploration expenditures were estimated at \$5.34 million and exploration drilling was estimated at ~9700 m.





# Mines and selected projects, North Central and Northeast regions NORTHWEST TERRITORIES YUKON TERRITORY 60°0'0"N Fireside Fort Nelson Golden Lie Mining Regions Pink Mountain





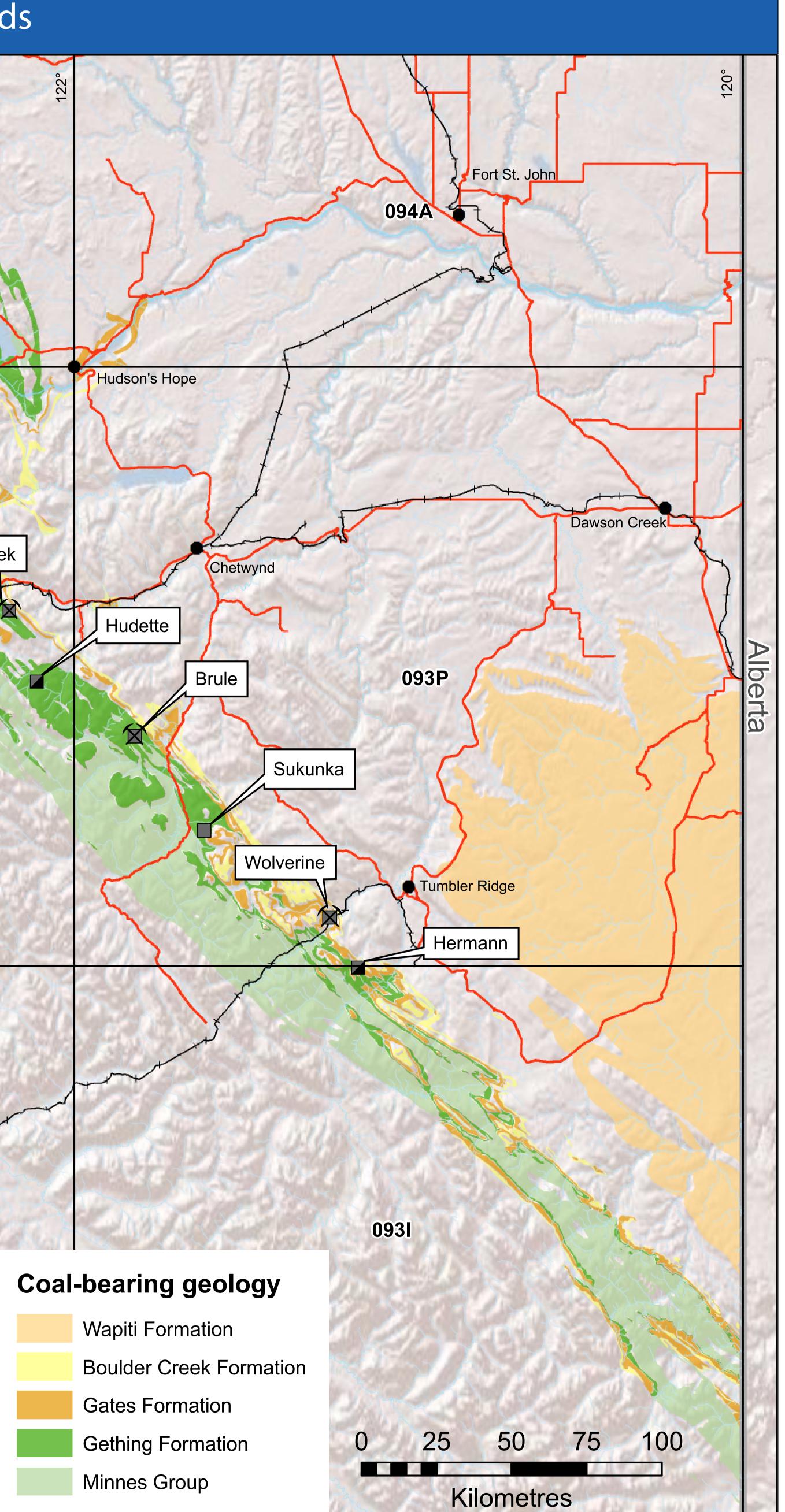


– Road – Hail line

Drill site at Benchmark Metal's Lawyers project, Toodoggone District

# Northeast coal fields 094B Willow Creek A Mackenzie 🖈 Coal Mine Proposed Coal Mine Coal Exploration Transportation ------ Railways Highways ----- BC border





ncline with coal seams in the minepit wall of the Perry Creek pit of Conuma's Wolverine Mine

orth Centr	al Region				North Cer	ntral Regi	on					
Project	Operator	Commodity; Deposit type	Comments	2021 Exploration Highlights	Metal mine	es						
Lawyers	Benchmark Metals Inc.	Au, Ag; Epithermal Au-Ag: low sulphidation;	An initial Mineral Resource Estimate reported total I of 1.546 oz Au and 50.2 M oz A and a total Inf of 620,00	g m of 3.07 g/t Au, 11.72 g/t Ag; and 25.91 m	Mine	Operator	Commodity deposit typ	e	uction	Highligh		Comments
Kwanika - Stardust	NorthWest Copper Corp.	Kwanika: Cu, Au, Ag; Porphyry Cu±Mo±A Stardust: Cu, Au, Ag, Zn; Cu Skarn	<ul> <li>oz Au and 18.1 M oz Ag</li> <li>Central zone pit and underground combined</li> <li>Au; M+I: 223.6 Mt 0.27% Cu, 0.25 g/t Au, 0.87 g/t Ag</li> <li>Inf: 90.4 Mt 0.17% Cu, 0.17 g/t Au, 0.60 g/t Ag. (cut-off grade 0.13% CuEq)</li> <li>South zone pit</li> <li>Inf: 33.3 Mt 0.26% Cu, 0.08 g/t Au, 1.64 g/t Ag, 0.01% Mo</li> </ul>	<ul> <li>Drilling, DDH, 8500 m. Results included 230 m grading 0.70% Cu, 0.84 g/t Au, 2.3 g/t Ag, and 235.45 m with grades of 2.0 % Cu, 1.21 g/t Au, and 5.3 g/t Ag, which includes 153.25m at 2.84 % Cu, 1.69 g/t Au, 7.5 g/t Ag</li> <li>Updated Mineral Resource Estimate filed for Stardust deposit.</li> </ul>	Mount Milligan	Centerra Gold Inc.	Cu, Au, Ag; Alkalic porp Cu-Au	, ,	M lbs Cu 438 oz Au l)		al to reserves	Concentrator design capacity 60,000 tpd. Estimated mine life 9 years. More than 350 employees.
					Mount Milligan Brownfield		Cu, Au, Ag Alkalic porp Cu-Au			302.3 m o 0.27 % C	of 0.40 g/t Au, 4 u. ] 0.46 g/t Au, 6	Drilling of, 72 DDH, 41,000 m. Exploration and resource expansion drilling.
			Stardust: I:1.96 M t 1.31% Cu, 1. g/t Au, 27.1 g/t Ag, Inf: 5.84 M t 0.86% Cu 1.17 g/t Au, 20.0 g/t Ag			Northeast Region Coal mines						
East Niv	NorthWest Copper Corp.	Cu, Au; Alkalic porphyry Cu Au	na 1-	Drilling,11 DDH, 2750 m. Results included 81.6 m grading 0.41% Cu, 0.2 g/t Au, 0.9 g/t Ag and 72.3 m with grades of 0.10 % Cu, 0.21 g/t Au, and 0.3 g/t Ag. 16 new claims added.	Mine	Operator	Commodity; deposit type		Forec 2021 Produ (base	uction	Reserves	Comments
Baker – Shasta	TDG Gold Corj	<ul> <li>p. Au, Ag:</li> <li>Epithermal Au-Ag:</li> <li>low sulphidation;</li> </ul>	g/t Au and 41 g/t Ag; 29 m of 1.78 g/t Au and 89 g/t Ag, which includes	<ul> <li>03 Drilling, 55 DDH, 8048 m.</li> <li>0.0 95 km ground magnetic survey, prospecting,</li> <li>1.0 relogging core, and channel</li> <li>6 sampling programs.</li> </ul>	Brule	Conuma C Resources Limited	<b>D'</b>	oal PCI; Bituminous coal		3)	P+Pr: 3.58 M	t About 230 employees.
Decar Nickel District	FPX Nickel Corp.	Ni, Fe; Podiform chromite	Baptiste deposit I: 1996 Mt 0.122% Ni, DTR (Davi Tube Recoverable)	Drilling, 10 DDH, 2710 m. Baptiste preliminary economic assessment has total of approx.1.5 Bt of material to be processed over a 35-year mine life.	Willow Creek	Conuma C Resources Limited		C, PCI; iminous coal	1.5 Mt	- ,	P+Pr: 11.07 N	Mt About 220 employees, mine and plant.
			Inf: 593 Mt 0.114% Ni, DTR Ni (0.06% Ni cut-off)	Drilling (2600 m) at new Van target, results included total nickel of 0.21% along 287 m, 0.197% along 270 m, 0.207% along 101 m, and 0.215% along 103 m.	Wolverine	Conuma C Resources Limited			1.1 Mt oal	,	P+Pr: 4.68 M	Mt About 300 employees, mine and plant.
Wicheeda	Defense Metals Corp.	Nb, REE; Carbonatite-hosted deposits	I: 5.0 Mt 2.95% TREO Inf: 29.5 Mt 1.83% TREO Resources at a cut-off grade 0.5% TREO	Preliminary Economic Assessment reported a 36% increase on a contained metal basis compared to previous 2020 Mineral Resource Estimate.								
			Total metal % = sum of Ce+La+Nd+Pr+Sm+Nb percentages		Industrial mineral mines and quarries							
Northeast Region					Mine	Operator		<b>v</b>		t 2021 ion	Reserves	Comments
Project	•	Commodity; ] Deposit type	Resource 20	21 Exploration highlights						(based on Q1- Q3)		
Hermann	Coal Resources Ltd.	Bituminous coal	Dı	vironmental Assessment in-progress. illing, 5 RC holes, 592 m.	<b>Fireside</b> (Northeast Region)	Fireside Minerals Ltd.	Barite; Vein ba		na	na	na	Product is bagged trucked to Fort St. and to Alberta, wh is used to produce
Hudette			- 24.6Mt Drilling, 16 RC holes, 2742 m. ob - 465,000 t Working towards a PEA.									density drilling mud

### **Further information**

Corcoran, N. L., 2022. Exploration and mining in the North Central and Northeast regions, British Columbia. In: Provincial Overview of Exploration and Mining in British Columbia, 2021. British Columbia Ministry of Energy, Mines and Low Carbon Innovation, British Columbia Geological Survey Information Circular 2022-01, pp. 67-83.

EY LLP, 2022. British Columbia Mineral and Coal Exploration Survey 2021 Report.

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Ministry of BRITISHEnergy, Mines andCOLUMBIALow Carbon Innovation

