



Occurrence Details

Occurrence Number: 116K 005

Occurrence Name: Alto

Occurrence Type: Hard-rock

Status: Deposit

Date printed: 6/16/2025 8:02:55 AM

General Information

Primary Commodities: iron

Deposit Type(s): Iron Formation

Location(s): 66°31'25" N - -140°16'47" W

NTS Mapsheet(s): 116K09

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Discovered before 1973 by a joint venture between Inexco Mg C (Int. Nuclear OCL), Amoco Can. Pet. CL, Arrow Inter-America and Husky OL. First staked as Rio iron cl (YA2823) and Alto cl (YA2914) in Oct/75 by Rio Alto EL, which added Yeti cl (YA2962) in Feb/76, performed mapping and sampling later in the year, added the Moose cl (YA10820) and prepared a topographic map in 1977. Rio Alto performed road building, trenching and mapping in 1983. Restaked as Tr0g cl 1-432 (YB88193) by Eagle Plains Resources Ltd in Jul/96.

Capsule Geology

Oolitic magnetite occurs in a 46 m thick bed that is exposed for a length of 366 m at the contact between clastic rocks of the Permian Jungle Creek Formation and recessive black shale of the Jurassic and Lower Cretaceous Kingak Formation. The magnetite is dark grey to black, massive and dense and weathers into rusty, angular fragments. The oolites are closely packed, commonly flattened with their long dimensions as much as 1 mm, and are locally replaced by goethite and hematite. The company estimated reserves of at 27,200,000 tonnes grading 55% Fe.

Work History

Date	Work Type	Comment
12/31/1983	Geology	
12/31/1983	Development, Surface	
12/31/1983	Trenching	
12/31/1977	Geology	
12/31/1976	Geology	
12/31/1976	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094242	2001	Geological Report on the Rusty Springs Property	Rock - Geochemistry		
090158	1976	Geology of the Rusty Springs Mineral Prospect, Porcupine Ranges, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Handblast - Trenching		

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1976	ALTO (OPEN PIT)	Historical Estimate	iron	55 %	27,200,000		No	No	Unknown

Calculation is a 'conservative estimate' based on observed data from one continuous section that was measured and sampled (4 samples) at 1.5 m intervals across the deposit.