



Occurrence Details

Occurrence Number: 116I 087

Occurrence Name: Heon

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 10/3/2025 11:35:30 PM

General Information

Primary Commodities: vanadium

Aliases: Dempster Vanadium, DV, DVI

Deposit Type(s): Sediment hosted Shale-Hosted Ni-Zn-Mo-PGE (Nick)

Location(s): N - W

NTS Mapsheet(s): 116I16

Location Comments: Location from map in AR 097438 and satellite imagery

Hand Samples Available: No

Last Reviewed:

Capsule

Exploration History

In 2007, Southampton Ventures Inc. did exploration work on its Fox and Sun properties exploring for nickel. This work was done along a 12km segment of the Canol Formation and included surface geochemical sampling and diamond drilling (7 holes, 720.9m).

In 2018, DVI196 Holdings Corp staked the DV claims for the areas vanadium potential. Significant vanadium values were first reported by Héon (2006) from a road cut on the Dempster Highway at Km 450 where chip sampling returned 0.26% V₂O₅ over 7.3m.

GEOLOGY

The area is located on the west side of the Richardson Trough a north to northwest-trending intracratonic depression formed during Early to Middle Paleozoic time. Deep water shale and argillaceous limestone of the Ordovician to Silurian Road River group are deposited within the trough atop Cambrian and Proterozoic age strata. Younger Paleozoic sediments unconformably cap the Road River Group within the trough and elsewhere in the surrounding broader basin. The entire stratigraphic section is folded by a large-scale anticline that plunges to the north. This anticline is called the Richardson Anticlinorium and its axis approximately coincides with the centre of the trough. To the east, the Richardson Trough is bound by the Trevor Fault and to the West the Deception fault.

Rock samples from the showing returned up to 1,940 ppm vanadium.

Work History

Date	Work Type	Comment
7/1/2020	Geochemistry	
7/1/2020	Geology	
7/1/2020	Geochemistry	
7/1/2020	Geochemistry	
7/1/2020	Other	
7/1/2019	Other	
7/1/2007	Drilling	
7/1/2007	Geology	
7/1/2007	Other	
7/1/2005	Other	

Related References

Number	Title	Page(s)	Reference Type	Document Type
05-023	Richardson MT Regional Project Report		Yukon Government: Energy, Mines and Resources	YMEP Report