

## Glaciology Expert Confirms Proximal Source For Uranium In Soils

Analysis of surficial geology at Portland Creek by globally-recognised glaciologist Dr. Martin Ross shows that previously reported high grade uranium in soil is likely to be derived locally and not glacially transported.

### Highlights

Study by expert glacial geologist shows maiden soil sampling program was conducted over colluvial sediments meaning the source of the anomalous uranium is proximal

Additional work commenced to include detailed hydraulic gradient mapping of the structural corridor using LiDAR imagery

All expedited soil assay results are expected to be received by the end of October

Infini Resources Ltd (ASX: I88, "Infini" or the "Company") is pleased to announce the successful completion of a desktop glacial geology study at its 100% owned Portland Creek Uranium Project, located in Newfoundland, Canada (refer to ASX announcement 22 July 2024).

### Glacial Geology Desktop Study

Dr Martin Ross was engaged as a consultant to assist the Company with better understanding the geology of the project area, particularly the risk of any potential glacial movement linked to its high-grade uranium soil anomaly (**peak result of 74,997 ppm  $U_3O_8$** ). This was identified as an important step to de-risk the current working exploration model prior to undertaking diamond drilling activities.

Dr Ross used the Company's maiden soil sampling database, government regional geological data, SRTM DEM and Google Earth Imagery to conduct a desktop study that focused on identifying whether there is any local evidence for glacial movement that might have led to transport of the existing high grade uranium geochemistry at the Talus Prospect. Given the location of colluvium on the geological map (Figure 1) and identification of the anomaly sitting above the 120m average sea level marine limit (Figure 2), the positive conclusion was that the likelihood of a soil anomaly being caused by substantial glacial transport far from its source is considered very low.

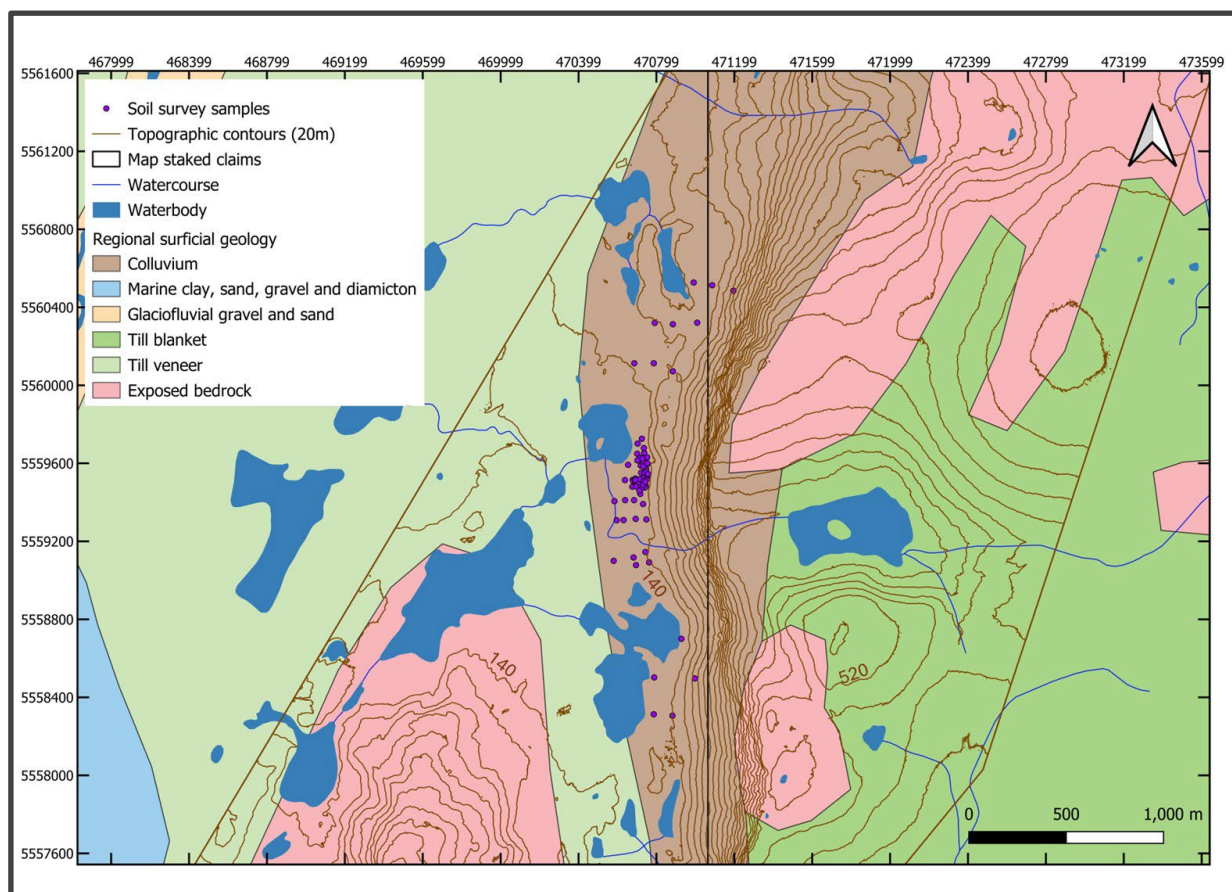
### Infini's Managing Director, Charles Armstrong said:

*"It is highly encouraging to see these study results illustrate that the risk of significant geochemical dispersion by glacial movement at the Talus Uranium Prospect is very low. Dr Ross is a renowned Canadian glacial geologist who has helped the Company understand the regolith environment within this highly prospective corridor by utilising its existing geochemical and field observations from the maiden sampling program."*

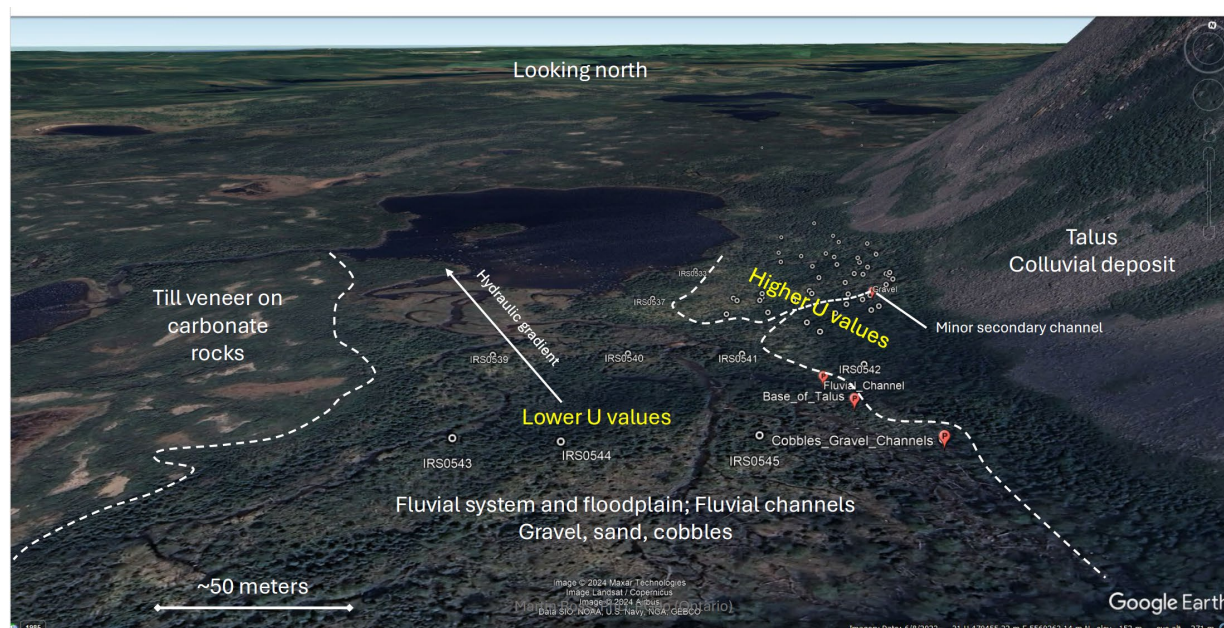
*This study gives the Company further confidence in its combined geochemical and structural targeting model while it waits for soil sample assay results to be returned by the laboratory from the recently completed larger soil sampling program."*

### About Dr Martin Ross

Dr Martin Ross has a Bachelor of Science and Master of Earth Sciences from Université du Québec à Montréal (UQAM), Canada and a Doctorate of Earth Sciences from Université du Québec (INRS Research Institute), Canada. He is the Associate Professor of Applied Quaternary Science and Associate Dean of Graduate Studies at the University of Waterloo, Canada. He is an internationally recognized expert in glacial geology, having authored or co-authored 86 research publications in the field.



**Figure 1 Newfoundland government surface geological map with the location of the maiden soil samples and topographic contours. NB: The dense cluster of sample points is the Talus high-grade uranium soil anomaly. Refer to figure 3 below.**



**Figure 2 Dr Ross's investigation of SRTM DEM (topography elevation generated from satellites) and Google Earth Imagery depicting the geomorphological domains at the Talus Prospect.**

Figure 2 above illustrates why there are lower geochemical pathfinder elements in the southern lake domain. It is thought that seasonal water flow movement from the south in this area is likely to follow the northwest hydraulic gradient leading to a lack of preservation of any original pathfinder elements in its path. Conversely due to the higher location and position outside of this hydraulic gradient, the eastern domain has a prominent geochemical pathfinder population (high grade soil anomaly). This preservation reinforces its significance as a spatial clue to what could be an undiscovered uranium deposit existing underneath or upslope from the anomaly footprint.

### Additional Geological Desktop Studies

Dr Ross is now undertaking follow up geological desktop studies focused on analyzing the company's recently flown LiDAR data to map more subtle geomorphological features along the primary fault system which will help delineate the talus colluvium with more precision in addition to detailed hydraulic gradient mapping along the structural corridor. All of these additional desktop studies will assist the company to interpret its second set of soil sampling results, in addition to providing valuable insight into diamond drilling requirements including but not limited to casing and pad carpentry.



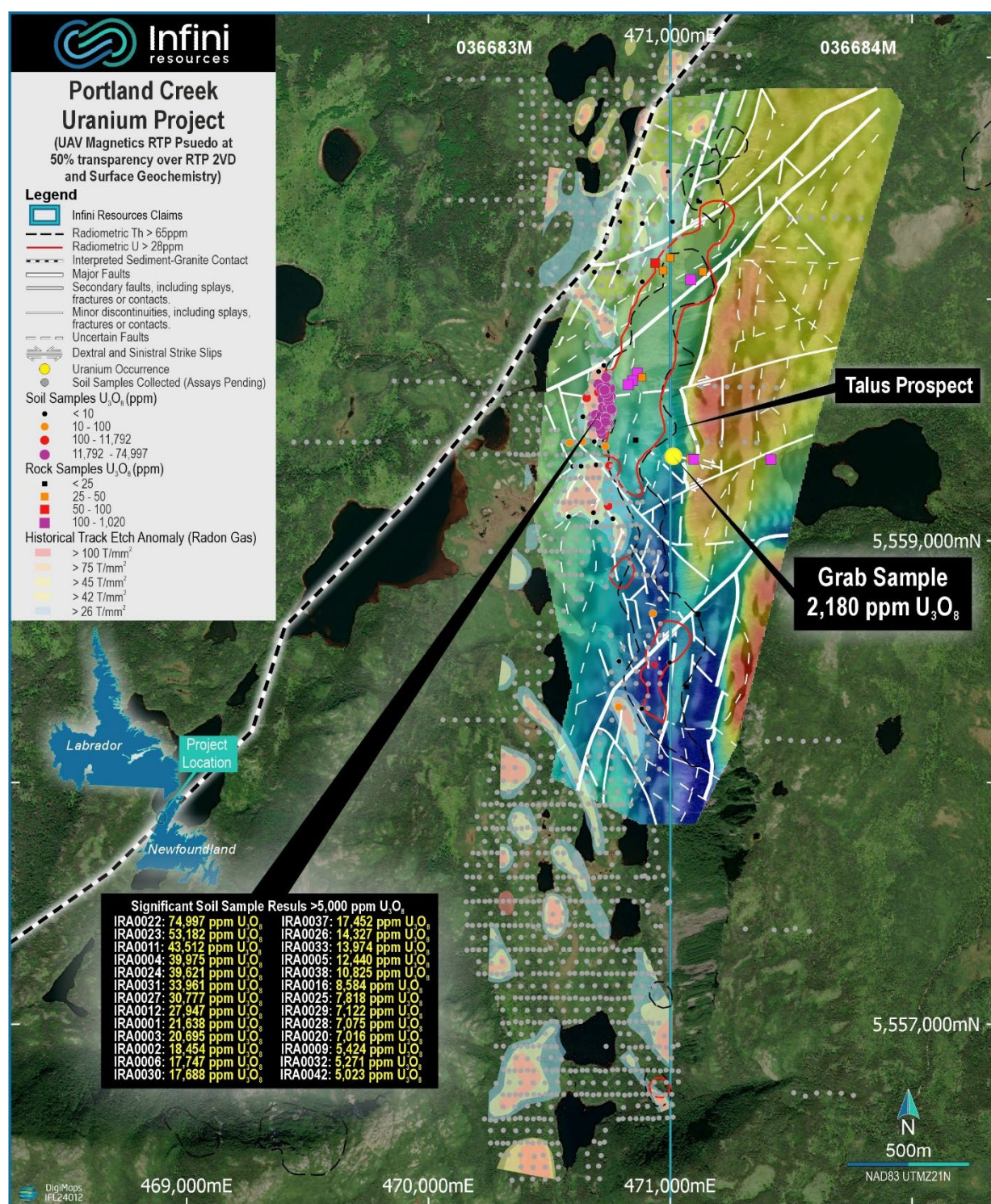


Figure 3 Plan view of the large soil survey that was completed and the locations of where all assay results are pending over newly updated structural interpretation.

### About Portland Creek Uranium Project

The Portland Creek Project covers an area of 149 km<sup>2</sup> and is situated in the Precambrian Long-Range Complex of the Humber Tectonic – Stratigraphic zone. These members include metaquartzite and a suite of paragneisses, intruded by leucocratic pink granite, which have likely been thrust westwards over Palaeozoic carbonate-dominant sediments. The Claims are situated over a large regional uranium anomaly that was identified in the 1970's by a Newfoundland government stream sediment sampling program. There was initially one uranium showing on the property as listed in the Newfoundland Mineral Deposit Index inventory with 2,180 ppm U<sub>3</sub>O<sub>8</sub> (refer Prospectus dated 30 November 2023). Since listing, the company has now verified and defined a high-grade soil anomaly at the Talus prospect measuring ~235m x 100m with >1000ppm U<sub>3</sub>O<sub>8</sub> and a peak result of 74,997ppm U<sub>3</sub>O<sub>8</sub>.

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Release authorised by the Board of Infini Resources Ltd.

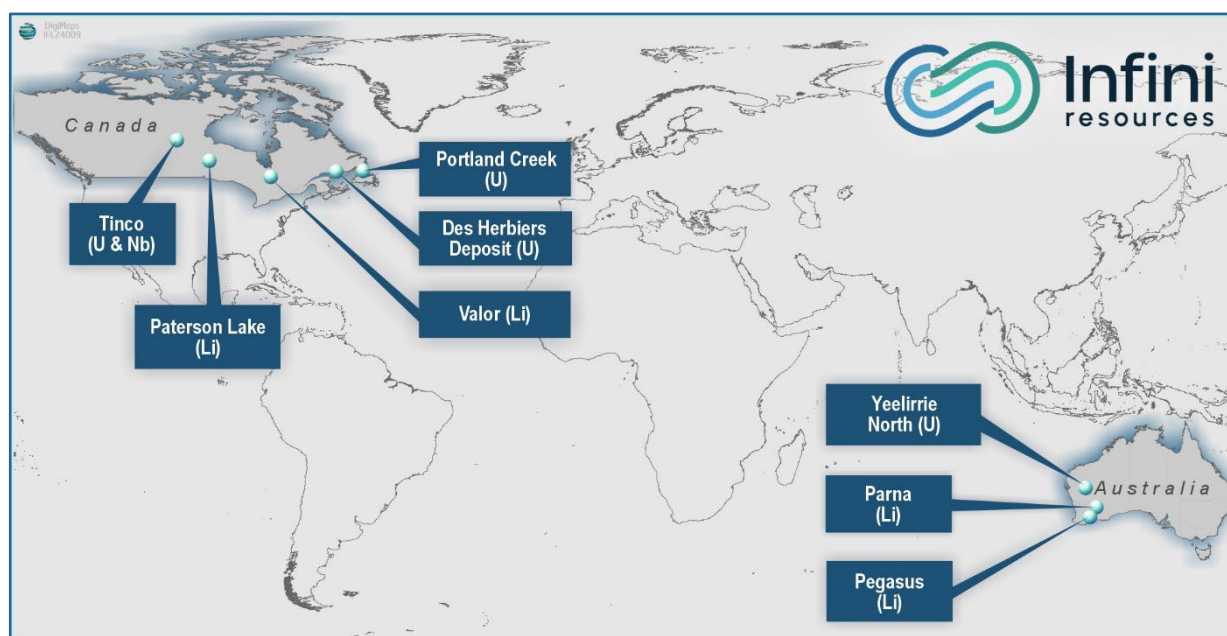
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### About Infini Resources Ltd (ASX: I88)

Infini Resources Ltd is an Australian energy metals company focused on mineral exploration in Canada and Western Australia for uranium and lithium. The company has a diversified and highly prospective portfolio of assets that includes greenfield and more advanced brownfield projects. The company's mission is to increase shareholder wealth through exploration growth and mine development.

JOR 2012 Mineral Resource Deposit	JORC 2012 Classification	Tonnes and Grade
Des Herbiers (U)	Inferred Combined Resource	162 Mt @ 123ppm U <sub>3</sub> O <sub>8</sub> (43.95mlb)





### Compliance Statement

This report contains information on the Company's Projects extracted from the Company's Prospectus dated 30 November 2023 and released to the ASX market announcements platform on 10 January 2024, and announcements dated 15 January 2024, 29 January 2024, 19 February 2024, 29 February 2024 3 May 2024, 28 May 2024, 3 June 2024, 13 June 2024, 1 July 2024, 10 July 2024 and 22 July 2024 reported in accordance with the 2012 edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). The original market announcements are available to view on [www.infiniresources.com.au](http://www.infiniresources.com.au) and [www.asx.com.au](http://www.asx.com.au). The Company is not aware of any new information or data that materially affects the information included in the original market announcement.

This report contains information regarding the Des Herbiere Mineral Resources Estimate extracted from the Company's Prospectus dated 30 November 2023 and released to the ASX market announcements platform on 10 January 2024, reported in accordance with the 2012 edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). The Company confirms that it is not aware of any new information or data that materially affects the information included in any original announcement and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed. The original market announcements are available to view on [www.infiniresources.com.au](http://www.infiniresources.com.au) and [www.asx.com.au](http://www.asx.com.au).

### Forward Looking Statements

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