

Infini Advances Portland Creek Uranium Exploration Model

Infini has engaged additional structural geology and uranium exploration specialists to review and refine the exploration model and target generation at Infini's 100% owned Portland Creek Uranium Project, ahead of the Company's Phase 2 diamond drill program planned for Q3 2025.

The geological review has been fast-tracked to leverage technical information obtained from the Phase 1 drilling program, with the aim of finalising all Phase 2 drill plans in July 2025.

The occurrence of major uranium-in-soil anomalies over a 6km corridor with a peak value of 74,997 ppm (~7.5%) U_3O_8 remains unexplained by the recently completed Phase 1 drilling program, with multiple structures identified that remain untested.

The 6km long Trident Lake Zone is host to highly anomalous geological indicators for a potential significant uranium discovery, including favourable structures, surface anomalism (U, Pb isotope ratios, radon gas, radiometrics, LREE pathfinders, uranium-in-lake sediments) and widespread hydrothermal alteration observed in drill core.

Infini Resources Ltd (ASX: I88, "Infini" or the "Company") is pleased to advise the commencement of a detailed review and interpretation of structural, geochemical and geophysical data to refine the exploration model and inform target generation at Infini's 100%-owned Portland Creek Uranium Project.

Infini's Chief Executive Officer, Rohan Bone, said: "Confidence in a potential large-scale uranium system at Infini's Portland Creek Uranium Project remains high following completion of the Phase 1 drilling program. Early observations from geological experts engaged in the refinement of the exploration model confirm the possibility of a shear-hosted uranium system, while also suggesting the potential for alternative style deposits. Portland Creek remains an incredibly exciting project and we eagerly look forward to the next phase of exploration expected to commence later in Q3 2025."

Experts engaged to review and support refinement of Portland Creek exploration model

Following the receipt of assay and structural data from Infini's Phase 1 diamond drill program at Portland Creek¹, the Company has initiated a work program aimed at refining the exploration model and generating targets for the next phase of exploration. The targeting work will involve a detailed review and interpretation of structural, geochemical, and geophysical data from the Phase 1 drilling. This will be integrated with results from the 2024 soil sampling program and UAV magnetic surveys to further refine and strengthen the Portland Creek exploration model in preparation for the Phase 2 drill program.

To support this process, structural geologists and uranium exploration experts have been engaged. Early insights from the review process are promising with observations about the characteristics of the soil sampling, particularly those of the Falls Lake Prospect recording peak values up to 74,997 ppm $U_3O_8^2$, indicative of the potential for shear-hosted or alternative style uranium deposits.

Structural geologists from Newexco have been engaged to review available geophysical and structural data and to provide a structural analysis that will provide a framework for future exploration modelling. A focus of the program of work will be on the interpretation of key primary and secondary structures associated with shear-zones situated within the 6km long Trident Lake Zone. Early observations based on structural data collected from the Phase 1 drilling program support the conclusion that drilling was completed largely subparallel to the dominant shear orientation, as illustrated in Figure 1, and that the targeted primary structure has not yet been intersected.

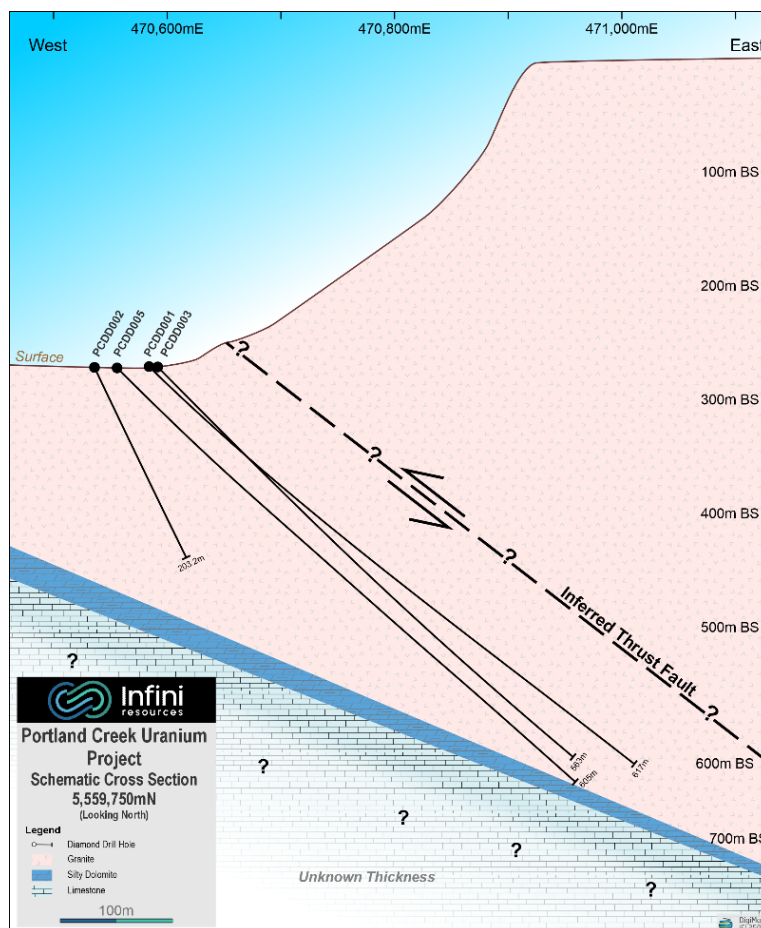


Figure 1: Cross-section of the Fall Lake Prospect illustrating subparallel orientation of drillholes relative to the orientation of the inferred thrust fault, leaving the primary structural target untested.

Mark Couzens, a seasoned exploration geologist with significant uranium experience has also been engaged to review the occurrences of high-grade uranium soil anomalism coincident with major structures at the Project, which will provide a framework for future exploration modelling. Mr Couzens has over 15 years uranium-specific exploration experience and has been involved in major uranium discoveries including the Four Mile Uranium Deposit in South Australia and the Bennett Well Uranium Deposit in Western Australia. Mr Couzens has experience working on ISR uranium production at Beverley Uranium Mine and has worked on uranium projects in many parts of the world including Australia, Argentina, America, Canada and Namibia.

Priorities for the review will be to closely analyse the composition of the uranium bearing soil to determine a possible provenance of the uranium. Part of this work will be to evaluate all of the data from the 2024 soil sampling program to understand the fluid migration pathways and the associated deposition of sediments. This will include petrological analysis of uranium-enriched soils as well as hydrothermally altered rocks.

Once the reviews have been completed, Infini can work with its exploration team to finalise the exploration model for the Phase 2 drilling campaign. The exploration model of a shear-hosted uranium system used for Phase 1 drilling will be re-evaluated. Possibilities of alternative style deposits will also be considered in the revision of the exploration model.

Uranium geologist Mark Couzens, said: *"I have worked on many uranium projects all around the world and have never seen or heard of soils samples having up to 7.5% uranium oxide present. In my opinion this is symbolic of the presence of a large high-grade primary uranium orebody occurring in close proximity to the soil horizon. The uranium grades seen from Phase 1 drilling do not explain why there are such high levels of uranium in the soil. The presence of pathfinder elements and hydrothermal alteration zones suggest that a significant primary uranium orebody could realistically be intersected in the Phase 2 program."*

Future exploration activities at Portland Creek on track to commence in Q3 2025

The Company remains buoyed by the potential for a large-scale uranium discovery at Portland Creek given the highly anomalous uranium-in-soil grades complemented by the observed presence of widespread hydrothermal alteration, uranium pathfinders, radon gas, radiometrics and structural indicators suggestive of a possible large, proximal uranium system. Importantly, interpretation of structural data collected during the Phase 1 drill program indicates that the target primary structures have not yet been intersected.

In parallel to the program of work to refine the exploration model and target generation, preparation is underway for Phase 2 of the diamond drilling program at Portland Creek, expected to commence later in Q3 2025. Details of drill plans are expected after refinement and confirmation of drill targets and the engagement of a drilling contractor.

About Portland Creek Uranium Project

The Portland Creek Project spans 149 km² and lies within the Precambrian Long-Range Complex of the Humber Tectonic-Stratigraphic Zone. The geology consists of metaquartzite and a suite of paragneisses, intruded by leucocratic granite, which are believed to have been thrust westward over Paleozoic carbonate-dominant sediments.

The project area covers a large regional uranium anomaly, first identified in the 1970's through a Newfoundland government lake sediment sampling program. Originally, one uranium showing was recorded in the Newfoundland Mineral Deposit Index, reporting 2,180 ppm U₃O₈. A compilation of historic and recent exploration data has since delineated a 6 km zone of anomalous uranium and radon gas in lake sediments, soils and in an airborne radiometric survey. This anomaly closely follows a prominent fault scarp, marking the edge of a granitic plateau interpreted as a deep-seated fault.

Since listing, the Company has verified historical uranium anomalies and completed a soil sampling grid over the Falls Lake Prospect (formerly the Talus Prospect). This work defined a ~800 m x 100 m high-grade uranium anomaly, with a peak result of 74,997 ppm U₃O₈. This anomaly is located down-ice and west of a 1.5 km radiometric anomaly. Additionally, Infini has identified a southern 500 m-wide cluster of high-grade soil samples, which includes a peak of 1,500 ppm U₃O₈ and lies 1.5 km from the recently completed Phase 1 drill program.

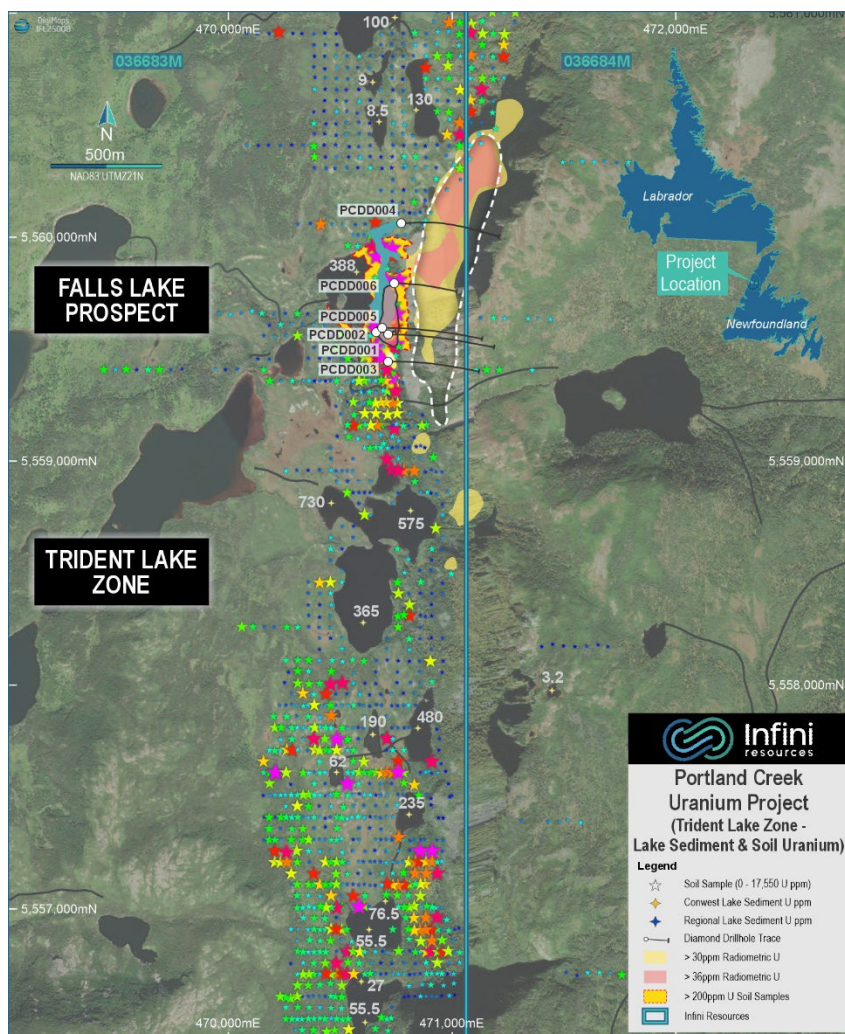


Figure 2: Overview of exploration activity conducted at Portland Creek to date, demonstrating the occurrence of soil sampling grades up to 74,997 ppm U_3O_8 , anomalous radiometric data and Phase 1 drillholes.

References

1. ASX Release, Infini Resources, *Phase-1 Drill Assays Confirm Prospectivity for Shear-Hosted Uranium System at Portland Creek*, 4th July 2025.
2. ASX Release, Infini Resources, *Soil Grades up to 74,997 ppm U_3O_8 (7.5%) at Portland Creek*, 10th July 2024.

[END]

Release authorised by the Board of Infini Resources Ltd.

Contacts

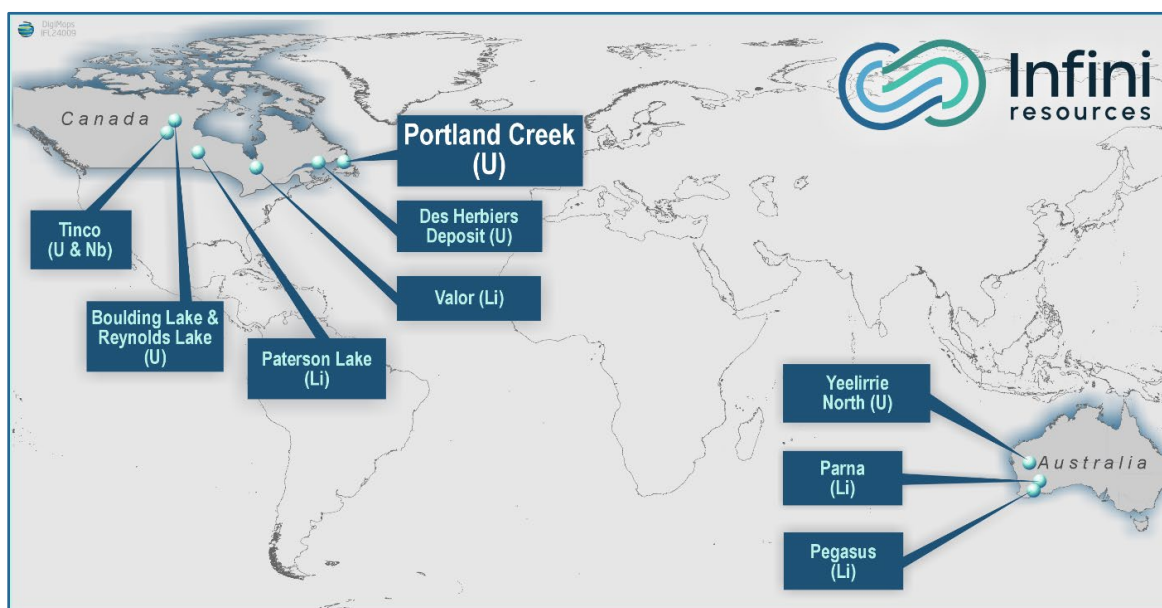
Rohan Bone
Chief Executive Officer
E: info@infiniresources.com.au

For personal use only

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 ₃ O ₈ (43.95mb)



Competent Person & Compliance Statement

The information in this report that relates to exploration results for the Portland Creek Project is based on, and fairly represents, information and supporting documentation compiled and evaluated by Mark Couzens, a consulting geologist to the Company who is a Member of the AusIMM. Mr. Couzens has sufficient experience relevant to the style of mineralisation, type of deposit under consideration, and the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Australian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Mr. Couzens consents to the inclusion of the information in the form and context in which it appears. The information in the market announcement is an accurate representation of the available data and studies for the Portland Creek Project.

This announcement contains information on the Portland Creek Project extracted from ASX market announcements dated 10 January 2024, 15 January 2024, 29 January 2024, 19 February 2024, 28 May 2024, 1 July 2024, 10 July 2024, 22 July 2024, 14 October 2024, 23 December 2024, 26 March 2025 and 4 July 2025 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 and 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 Herbiers 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 and www.asx.com.au.

Forward Looking Statements

This announcement may contain certain forward-looking statements and projections. Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. Forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. Infini Resources Limited does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward-looking statements/projects based on new information, future events or otherwise except to the extent required by applicable laws. While the information contained in this report has been prepared in good faith, neither Infini Resources Limited or any of its directors, officers, agents, employees or advisors give any representation or warranty, express or implied, as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.

For personal use only