

## Tłįcho Government

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Subject: Tłycho-led Water Sampling Program at Kwetij?aà (Rayrock

Mine) Remediation Project

On August 30, 2022, the Tłįchǫ Government completed their annual water sampling field program for the Kwetiį?aà (Rayrock Mine) remediation project. This work was Tłįchǫ-led, and is a part of the federally funded clean-up of the former uranium mine.

Kwetijaa remains an important area to the Tłicho people as a place where Tłicho families used to live, camp, travel through, and harvest. The priority of the Kwetijaa (Rayrock) remediation project is to make the area safe again for Tłicho use.

The Tłįchǫ Government and the Kweti̞լʔaà Elders Committee are working towards the clean-up of Kweti̞լʔaà (Rayrock Mine) in conjunction with Crown-Indigenous Relations and Northern Affairs Canada. The large-scale clean-up is anticipated to begin in 2023 and is expected to take 3 years to complete the majority of the remediation work. The clean-up work will be followed by a long-term monitoring program.

The Tłicho-led water sampling program focuses on the area known as the Kwetijaa Avoidance Zone, which is an area surrounding the mine where elders avoid hunting, harvesting, and drinking surface water. The Avoidance Zone was mapped by members of the Kwetijaa Elders Committee in March 2017. The water sampling program was initiated in 2018 under the direction of the Kwetijaa Elders Committee, and 2022 marks the fifth year that sampling has been completed.

The sampling program documents the water quality on-site, downstream, upstream and surrounding the former mine. This is to clearly understand the extent of contamination, and to assure the Tłįchǫ that the Marian River and the surrounding environment is safe for use.

The analytical results for this year's sampling program will be reported in the new year. Previous sampling has shown the Marian River to be safe for humans, animals, and the environment, and that there is no significant change in water quality downstream of the former mine.

Sampling has shown that the water quality outside of the mine footprint generally meets Canadian freshwater aquatic life guidelines. Contaminant concentrations are elevated within the footprint of the former mine, however concentrations rapidly



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decrease with increasing distance from the mine. The mine footprint will be cleaned-up and made safe during the upcoming site remediation project.



Pictured above: Tłįcho water sampling team.



Pictured above: Collection of water sample from the outlet of Mill Creek.



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Pictured above: Helicopter landing site at Kwetij?aà (Rayrock Mine).



Pictured above: Preparing to collect Gamma Lake water sample.

For more information, please contact:

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