



 enison Mines

## **Wheeler River Project**

Final Environmental  
Impact Statement

November 2024

*Powering*  
**PEOPLE, PARTNERSHIPS  
AND PASSION.**

**Section 10: Engagement Database Summary Table – Human Health and Safety**

UNIQUE ID	ROC	Event Type	Date	Event Summary	Interested Parties	Comments (From Interested Party)	Response (From Denison)	Denison’s Response to Question/Concern (where applicable)
18-EN-VB-4.38	4	Workshop	2018-18-01	As part of the engagement program for the Wheeler River Project, Denison organized a workshop in Beauval for community members to attend. The workshop gathered community input in relation to road alignment options, treated effluent discharge locations, and mining methods.	Village of Beauval	Once mining is over, is the water drinking water quality?	Denison considered this in section: Residual Effects Evaluation, Summary of Human Health Risk Assessment, Human Receptors Selection Characterization	<p>The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from an individual who attended workshop in Beauval in the year 2018. The record reference serves to highlight dialogue surrounding drinking water quality in relation to baseline monitoring data.</p> <p>At present, groundwater is unsuitable for consumption as it interacts with the uranium ore body, resulting in high levels of uranium. When mining is over, the groundwater will remain unsuitable for consumption. Denison will remediate groundwater to meet acceptable regulatory standards.</p>
18-EN-ERFN-5.69	5	Workshop	2018-05-03	As part of the engagement program for the Wheeler River Project, Denison organized a workshop for ERFN at their Patuanak Reserve location for ERFN and Patuanak members to attend. The workshop aimed to gather community input in relation to road alignment options, treated effluent discharge locations, and mining methods. The meeting had been delayed many times, and was held in the Health Clinic because there was a regional power outage.	English River First Nation	A lot of those lakes would not be immediately impacted, but what about down the road? It changes. One lake (Lanspur Lake) about three years ago had no pickerel. In the last 2-3 years, with high water, that lake now has an abundance of pickerel. Those are some of the changes that happen. That comes from our elders, not from me.	Denison considered this in section: Existing Environment, Baseline Monitoring Data	<p>The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from a member of English River First Nation who attended a workshop in the year 2018. The record reference serves to highlight dialogue surrounding local fisheries in relation to baseline monitoring data.</p> <p>Denison has completed an environmental assessment to understand Project impacts on the environment. The assessment considers potential impacts to the aquatic environment and potential cumulative effects. Significance determination includes, but is not limited to, consideration of time, frequency, and duration. Denison has determined that there will be no significant impacts as a result of Project activities.</p>
19-LK-ERFNTrap-134.72	134	Site Visit	2019-10-29	Denison met with local land user and English River First Nation Trapper at the Wheeler River Project site location for a full-day to interview them regarding their knowledge of the area, including providing information and feedback on specifics pertaining to wildlife and wildlife movement patterns, fish and spawning areas, local lakes and lake names, recreational and commercial use, traditional food consumption, and specific aspects of the Wheeler River Project. ERFN Trapper provided consent to Denison to use the information provided in the environmental assessment. ERFN Trapper reviewed the notes taken from the meeting, and provided revisions / modifications to Denison on January 2, 2020.	ERFN Trapper	Fishing is a big part of my income. Right now, it is more worthwhile to fish commercially than it is to spend time trapping because fur prices, except for marten, are poor.	Denison considered this in section: Existing Environment, Baseline Monitoring Data	<p>The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight dialogue surrounding local fisheries in relation to baseline monitoring data.</p>
19-LK-ERFNTrap-134.131	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Food – natives prefer jackfish, whitefish, trout; whites go for walleye; Ceremonial purposes – don’t know of any; commercial purposes (e.g., bait fish) – mullet (white	Denison considered this in section: Existing Environment, Traditional Foods Diet	<p>The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year</p>

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						sucker) collected for bait; Walleye is the most valuable catch=> highest price per kilo at the fish plant.		2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.151	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Caribou: ERFN Trapper sees more caribou and less moose. When ERFN Trapper goes out to check traplines in the winter they see caribou quite regularly. They also see caribou in the summer.	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.156	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Caribou: Overall, there are the same number of caribou in the area over the years but there is less moose.	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.160	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Marten, Fisher and Wolverine: In recent memory, marten is much more commonly observed compared to fisher. Probably 9 or 10 out of 10 would be marten. In fact, last year ERFN Trapper caught 90 marten and no fisher.	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.163	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Prey Species: In recent years, there are fewer rabbits (snowshoe hare) and bush chickens (grouse species).	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.164	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Prey Species: Also, way less ptarmigan in winter. Less mallards and Canada geese, more surf Scoters ( <i>Melanitta perspicillata</i> ).	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.166	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Birds: There are fewer loons on Cree Lake even though the number of fish caught here remains unchanged. There are still loons at Russell Lake. Russell Lake also has a growing population of Red Throated Loons ( <i>Gavia stellata</i> ).	Denison considered this in section: Existing Environment, Traditional Foods Diet	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight aspects of the traditional foods diet in relation to the existing environment.
19-LK-ERFNTTrap-134.255	134	Site Visit	2019-10-29	Same as above	ERFN Trapper	Russell is one lake where I commercially fish. How will this effluent impact the water quality, fish health? Will I be able to sell fish	Denison considered this in section: Existing Environment, Baseline Monitoring Data	The context in which this comment was used within the Human Health and Safety section of the EIS serves as a local perspective, documented as coming from ERFN Trapper who attended a site visit in the year 2019. The record reference serves to highlight dialogue

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						from here? If there is going to water pollution, I just want to know.		surrounding local fisheries in relation to baseline monitoring data. Water quality in Whitefish Lake and, by extension, downstream of Whitefish Lake will meet appropriate benchmarks for the protection of aquatic life in consideration of a small mixing zone in the lake. Following Decommissioning and the restoration of drainage patterns that are similar to pre-mining conditions, water quality is expected to meet appropriate benchmarks for the protection of aquatic life in Whitefish Lake and downstream. This includes Russell Lake of which the Icelander River system is associated. Denison has completed an environment assessment to understand Project impacts on the environment. The assessment considers potential impacts to traditional and other land use activities, fishing and water quality. Denison additionally completed a human health risk assessment. Denison has determined that there will be no significant impacts as a result of Project activities.
21-EN-ERFNSUR-456.21	456	Survey	2021-04-09	As part of engagement activities for English River First Nation, Denison prepared and shared an online survey which included information about Denison, the Wheeler River Project, and posed validation questions about the Valued Components being assessed as part of the environmental assessment process. A total of 23 responses were received. The information related to the Valued Components was incorporated into the assessment and questions asked on the surveys was incorporated into the overall engagement database.	English River First Nation	Denison Question: Based on what you know so far about the Wheeler Project, what aspects of the project could be challenging or cause concern for your community?  Response: Health and well-being of humans and wildlife.	Denison considered this in section: Residual Effects Evaluation, Summary of Human Health Risk Assessment, Human Receptors Selection Characterization	The context in which this comment was used within the Human Health section of the EIS serves as a local perspective, documented as coming from a member of English River First Nation who completed a survey in the year 2021. The record reference serves to highlight an emphasis on human health from within the engagement database.  Denison has completed an environmental assessment to understand Project impacts on the environment. The assessment considers potential impacts to humans and wildlife. Denison has determined that there will be no significant impacts as a result of Project activities.
21-EN-ERFNSUR-456.22	456	Survey	2021-04-09	Same as above	English River First Nation	Denison Question: Based on what you know so far about the Wheeler Project, what aspects of the project could be challenging or cause concern for your community?  Response: Health	Denison considered this in section: Residual Effects Evaluation, Summary of Human Health Risk Assessment, Human Receptors Selection Characterization	The context in which this comment was used within the Human Health section of the EIS serves as a local perspective, documented as coming from a member of English River First Nation who completed a survey in the year 2021. The record reference serves to highlight an emphasis on human health from within the engagement database.  Denison has completed an environmental assessment to understand Project impacts on the environment. The assessment considers potential impacts to human health. Denison has determined that there will be no significant impacts as a result of Project activities.
22-EN-SUR-652.73	652	Survey	2022-06-03	As part of engagement activities for English River First Nation, Beauval, and Pinehouse, Denison prepared and shared, both online and as a hardcopy during Spring Engagement meetings, a survey that asked a series of	Unknown	Denison Question: What additional information would be helpful for you to	Denison considered this in section:	The context in which this comment was used within the Human Health section of the EIS serves as a local perspective, documented as coming from an individual from English River First Nation, Beauval, or Pinehouse,

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				<p>questions relating to the results of the environmental assessment. A total of 39 surveys were entirely or partially completed.</p>		<p>understand the Project and its potential impacts to people and the environment?                      Response: Are water samples being taking for human consumption</p>	<p>Residual Effects Evaluation, Summary of Human Health Risk Assessment, Human Receptors Selection Characterization</p>	<p>who completed a survey in the year 2022. The record reference serves to highlight an emphasis on human health from within the engagement database.</p> <p>Denison has completed an environmental assessment to understand Project impacts on the environment. The assessment considers potential impacts to surface water, groundwater, and human health. Denison has determined that there will be no significant impacts as a result of Project activities. Monitoring will be implemented, per the Environmental Management System, in relation to regulatory requirements associated with the environment, including effluent monitoring and groundwater monitoring.</p>