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Environment and Climate Change Canada's Presentation to the Mackenzie Valley Environment Impact Review Board Regarding Canadian Zinc's Prairie Creek All Season Road Project - Wildlife

**MVEIRB Public Hearing
Fort Simpson, NT
Bradley Summerfield, EPOD
Emily Nichol, EPOD
April 28, 2017**

Overview

- Mandate and Relevant Legislation
- ECCC Recommendations
 - Impact Assessment for Migratory Birds and Avian Species at Risk
 - Trumpeter Swans
 - Quarry Operations and Avian Species at Risk
 - Boreal Caribou
 - Migratory Bird Mitigation and Monitoring and Species at Risk



ECCE's Mandate

- Preserve and enhance the quality of the natural environment
- Conserve Canada's renewable resources
- Conserve and protect Canada's water resources
- Forecast daily weather conditions and warnings
- Enforce rules relating to boundary waters
- Coordinate environmental policies and programs



How ECCC Fulfills its Mandate

- Relevant Legislation:
 - *Department of the Environment Act*
 - *Canadian Environmental Protection Act*
 - *Fisheries Act - Pollution Prevention Provisions*
 - *Migratory Birds Convention Act*
 - *Species at Risk Act*



Impact Assessment for Migratory Birds and Avian Species at Risk

- The Proponent has committed to implementing a field program using Autonomous Recording Units (ARUs) in cooperation with ECCC and Parks Canada.
- ECCC notes that information should be collected to obtain a minimum of one year baseline conditions prior to construction of the all season access road, including any initial winter road clearing.



Trumpeter Swans

- The Proponent has committed to focusing mitigation and monitoring efforts on areas where the Project overlaps the Mackenzie Mountain Key Migratory Habitat Site and where Trumpeter Swans are observed.
- ECCC notes that frequent, long-term, large scale, and/or multiple sources of disturbances and noise emissions greater than 50 dB (or greater than 10 dB above background) should be avoided within 800 m of observed Trumpeter Swans.



Gerald Plowman

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Quarry Operations and Avian Species at Risk

- The Proponent has committed to consulting ECCE on migratory bird mitigation, confirming the absence of nesting species prior to commencing disruptive activities during the general nesting period, and notifying staff and contractors of the potential for species at risk encounters and reporting and mitigation protocols.
- ECCE notes the absence of nesting at borrow and gravel pits should also be confirmed following any breaks in disruptive activities.



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Boreal Caribou

- The Proponent has committed to consulting with the Government of the Northwest Territories regarding the adequacy of the proposed mitigation and monitoring measures for Boreal Caribou.
- ECCC notes differences between the disturbance estimates for the Project produced by the Proponent and the Government of the Northwest Territories.



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Migratory Bird Mitigation and Monitoring and Species at Risk

- The Proponent has committed to all of ECCC's recommendations.
- The Proponent will update the Wildlife Mitigation and Monitoring Plan to incorporate the recommended changes.



Thank-you

Any Questions or Comments?



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