

DENINU KUE FIRST NATION

**EA1819-01 Depositing Processed Kimberlite in Pits and
Underground**

Presentation at Public Hearings

September 5 – 6, 2019

Yellowknife, NT



DENINU KUE FIRST NATION

- 915 members
- Fort Resolution / Yellowknife
- Treaty 8 signed in 1900
- Akaitcho Treaty 8 Tribal Council

*“...for as long as the sun shines,
the rivers flow, and the grass grows...”*

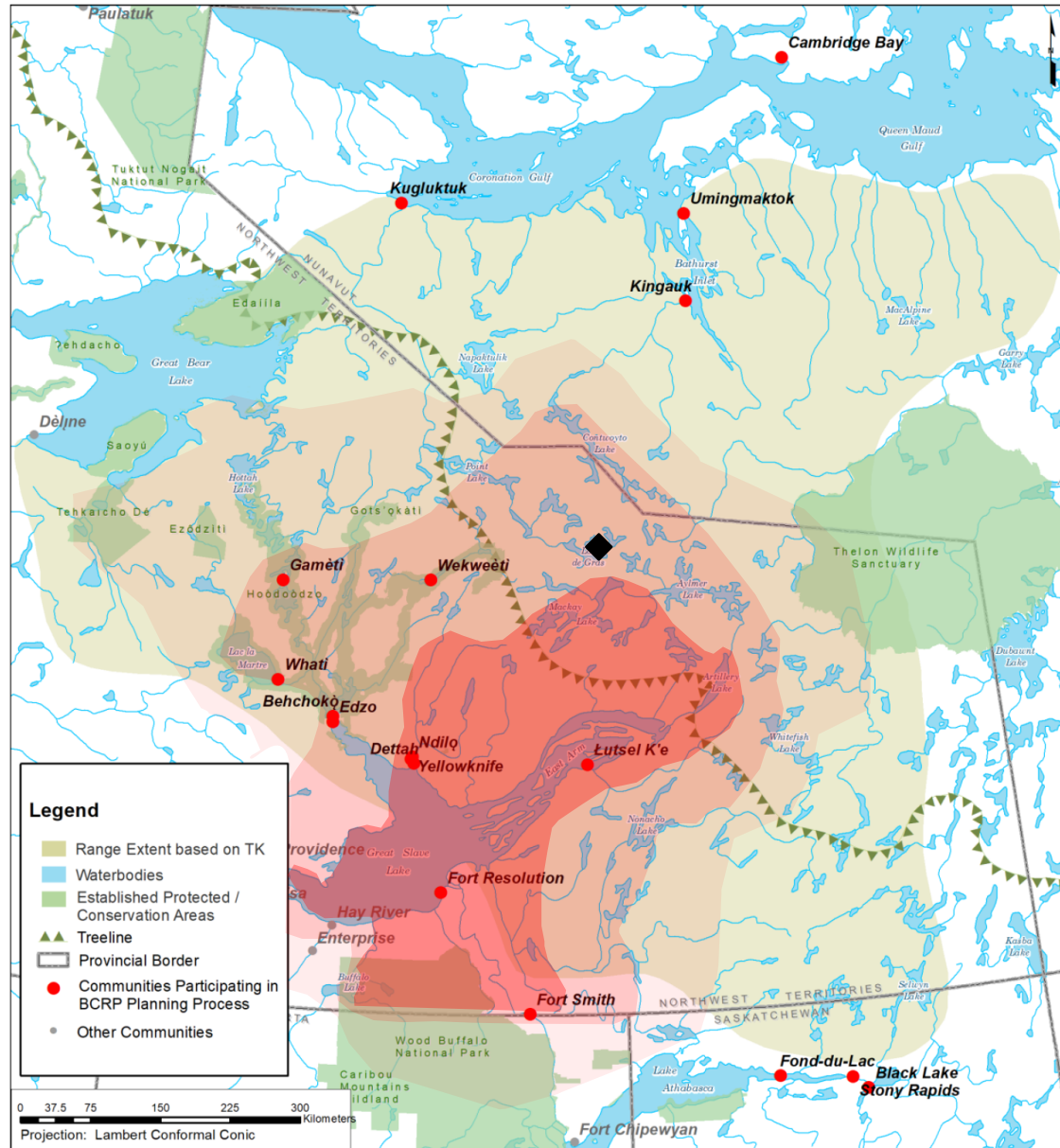


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The DKFN asserts that their treaty rights include the right to hunt, fish, trap and gather to sustain their livelihood in their traditional territory.



DKFN Socio- economic Use Area.



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- DKFN supports responsible development in its Traditional Land Use area.
- DKFN has concerns and recommendations that need to be addressed to ensure that this development has minimal infringement or effects on its Aboriginal and Treaty Rights.



GENERAL COMMENTS

- **Lack of consultation and engagement**
- **Too many information gaps are proposed to be filled post EA approval**



CONCERNS

- **Water quality**
- **Fish and fish habitat**
- **Wildlife and wildlife habitat**



WATER QUALITY

DDMI Impact Predictions

- Modeling for A418 & A154 – neutral effect
- Modeling for A21 – adverse effect






DDMI Conclusions

- Issues of concern related to EFPK into mine workings are the same as FPK



WATER QUALITY

DKFN Recommendations:

1. Third party review of water quality model.  
2. Develop a conceptual site model that includes:
 - release mechanisms 
 - Transport
 - Uptake mechanisms
3. Lit review – evidence-based depth threshold 
4. Validate the 500 mg/L threshold 



FISH AND FISH HABITAT

Stratification and Water Quality

DDMI Impact Predictions

- Fish are excluded from pit lakes until AEMP benchmarks are met
- Meromixes will prevent exposure to deleterious conditions
- Fish species are restricted to <40 m

DDMI Conclusions

- Generally no impacts to fish
- AEMP benchmarks exceeded in A21



FISH AND FISH HABITAT

DKFN Recommendations:

1. Remove A21 from PK deposition



2. Lit review – evidence-based depth threshold



FISH AND FISH HABITAT

Siltation and Disturbance

DDMI Impact Predictions

- Details of dike breaching not well described

DDMI Conclusions

- Potential effect on stratification due to breaching dike walls
- Impact not assessed



FISH AND FISH HABITAT

DKFN Recommendations:

1. Need for clear methods and mitigation during breaching of dikes. ✓ ✗



WILDLIFE AND WILDLIFE HABITAT

DDMI Impact Predictions

- Change in WQ could affect caribou health

DDMI Conclusions

- Effects on caribou health – negligible
- No additional loss of habitat



WILDLIFE AND WILDLIFE HABITAT

DKFN Recommendations:

1. Take a cautionary approach to the prediction of project related effects ✓ ✗



CLOSING

- **Effective of consultation and engagement**
- **Unaddressed recommendations – deferral to the permitting stage**
- **Collaboration with Indigenous groups**



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