

Ross River Dena Council – Geology Talks Series

1. Regional Geology

By: Don Murphy

- Topics:
- Introduction to tectonics and stratigraphy
 - Tectonic units in RRDC Traditional Territory
 - Selwyn Basin
 - Yukon-Tanana Terrane
 - Cassiar Platform/Terrane
 - Mackenzie Platform
 - Regional geology of Yukon-Tanana Terrane
 - stratigraphy
 - magmatism
 - deformation
 - key mineral deposits, occurrences, and prospects
 - Regional geology of Selwyn Basin
 - stratigraphy
 - magmatism
 - deformation
 - key mineral deposits, occurrences, and prospects
 - Regional geology of Cassiar and Mackenzie Platforms
 - stratigraphy
 - magmatism
 - deformation
 - key mineral deposits, occurrences, and prospects

2. Tintina Gold Belt

By: Craig Hart

- Topics:
- Geological setting/background to Tintina Gold Belt
 - background on magmatism
 - location/extents
 - types of gold deposits
 - History of exploration and discoveries
 - Principal deposits along the belt
 - Mineral occurrences and prospects in RRDC Traditional Territory

3. Mineral Resource Assessment of the Kaska Dena Traditional Territory

By: Anna Fonseca

- Topics:
- Methodology for regional mineral potential mapping at YTG
 - methodology
 - other jurisdictions that use this method
 - differences between YTG mineral assessments and those performed by geological consultants
 - Regional mineral potential map of Selwyn Basin
 - Regional mineral potential map of Cassiar Terrane and eastern Yukon-Tanana Terrane
 - Regional mineral potential map of the Kaska Dena Traditional Territory

4. Geology of RRDC interim land selections

By: Don Murphy

- Topics:
- Re-cap tectonics, stratigraphy, magmatism, deformation
 - Mineralogically important R-blocks

5. Mineral deposits of VMS and Sedex types in RRDC Traditional Territory

By: Lee Pigage, Don Murphy, Maurice Colpron

- Topics:
- VMS and SEDEX mineral deposit model: background
 - volcanism and extension

- exhalative mineralization
- mineralogy and alteration
- VMS deposits and showings in RRDC Traditional Territory
- SEDEX deposits and showings in RRDC Traditional Territory
- comparisons between VMS and SEDEX deposits in RRDC TT and world
- significant showings and prospects
- Other significant mineral deposit types in RRDC TT

6. Surficial geology mapping and till surveys in Faro and Weasel Lake areas

By: Jeff Bond

- Topics: -Surficial geology mapping: background
- Glacial till
 - Till surveys and results

7. Prospectors Assistance Grants from YTG

By: Ken Galambos

- Topics: -Introduction to YMIP
- Successful prospecting stories in RRDC Traditional Territory
 - claims staked in RRDC TT as result of YMIP grants
 - how to apply for a YMIP grant

8. Dinossaur Prints

By: Grant Lowey

- Topics: -Geology background
- Paleontology background
 - Tour?????

9. YTG's MINE Program

By: Jesse Duke

- Topics: -MINE program: background
- MINE at work for the 1st Nation

10. Environmental impacts of exploration and mining – the facts

By: Daniele Heon, in prep

- Topics: -Mining Land Use Regulations
- Regional exploration
 - Advanced exploration
 - Time elapsed from grassroots exploration to mine development stage
 - Permitting a mine