



MOUNT NANSEN
REMEDICATION LP 

Mount Nansen Mine Remediation Project

Community Meeting

Little Salmon Carmacks First Nation Heritage Hall

February 4, 2020

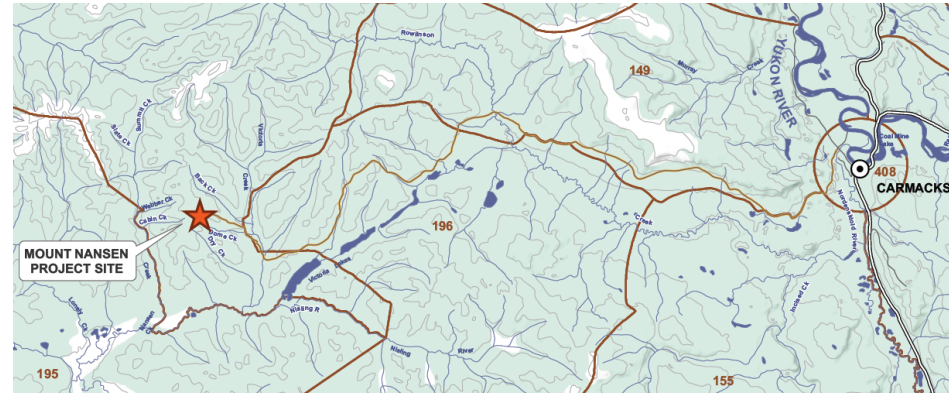
Today's Presentation

1. Project History
2. Remediation Plan
3. Schedule
4. Job, contracting and training opportunities



Mining at Mount Nansen

- Abandoned gold (and silver) mine 60 km west of Carmacks.
- BYG Natural Resources Inc. mined the site 1996-99.
- Shut down due to poor recoveries, tailings dam geotechnical stability issues, and water licence non-compliances.



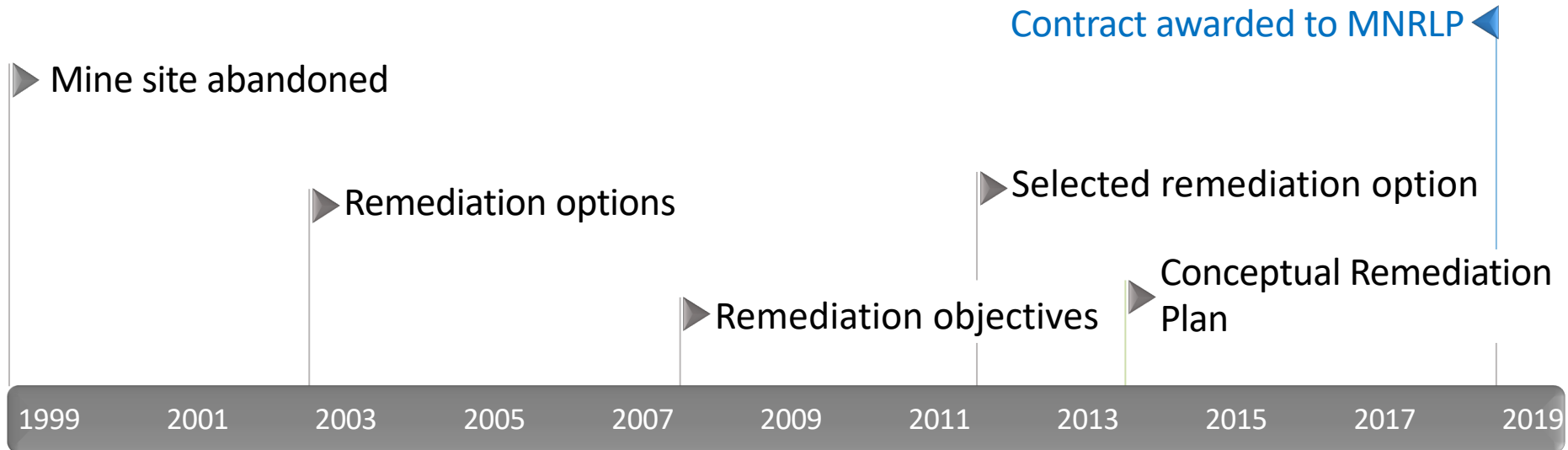
Building a positive legacy

- Remediation – to “remediate” means to limit or stop environmental (and socio-cultural) damage.
- **Mount Nansen Remediation LP** partnership between Alexco Environmental Group and JDS Energy & Mining.
- Working with Government of Canada and LSCFN to remediate the abandoned BYG Mount Nansen mine site.



Remediation Plan – History

20 years: 1999-2019

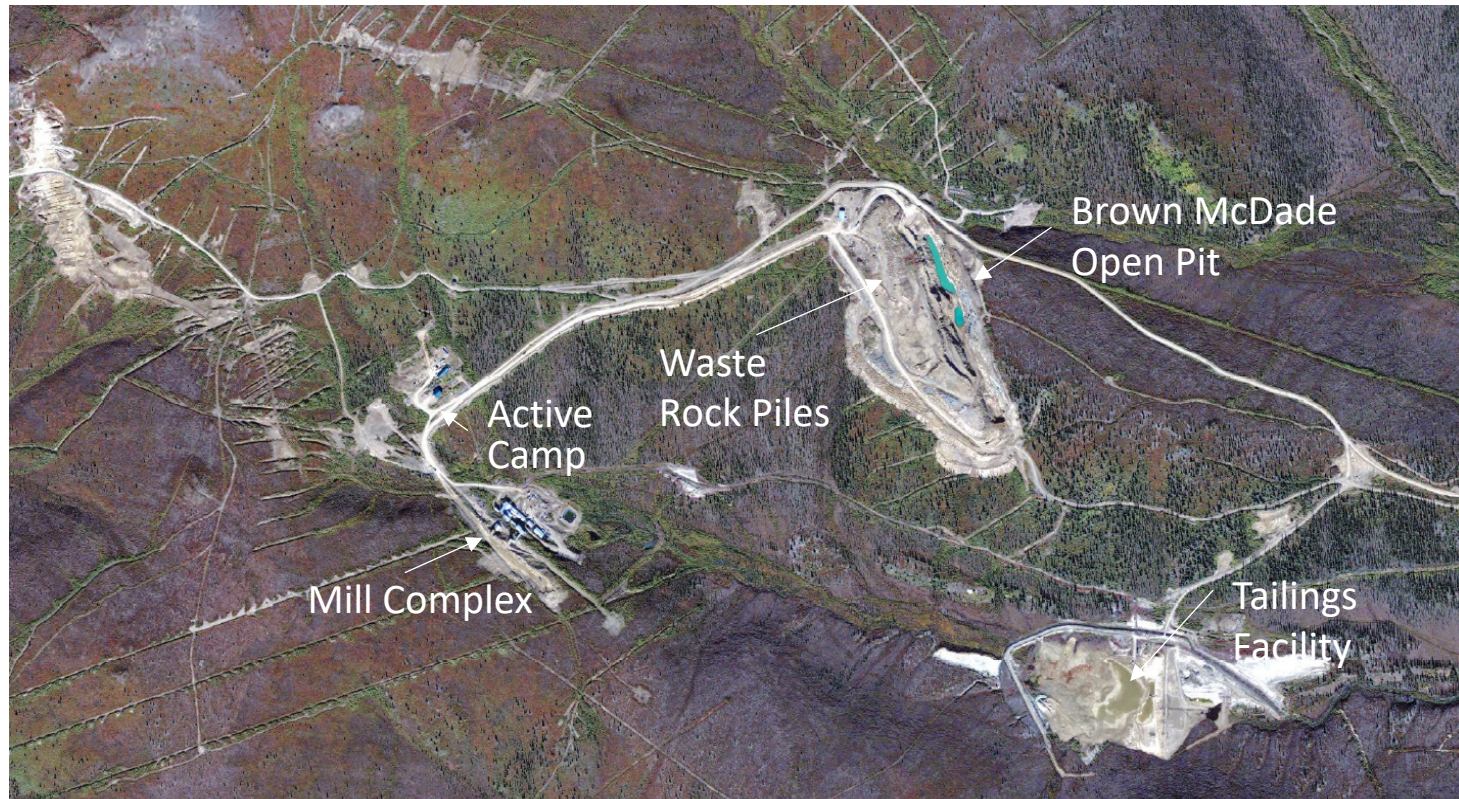


Agreed upon in 2008:

- Protect **human health and safety**.
- Protect and restore the **environment** including land, air, water, as well as fish and wildlife and their habitats.
- **Return the mine site to an acceptable state** that reflects original, traditional and pre-mining land use.
- Maximize local, Yukon and First Nation **benefits**.
- **Manage risk** in a cost effective manner.

Remediation Plan

We are advancing the remediation option selected in 2011 by LSCFN, Government of Canada and Yukon Government.

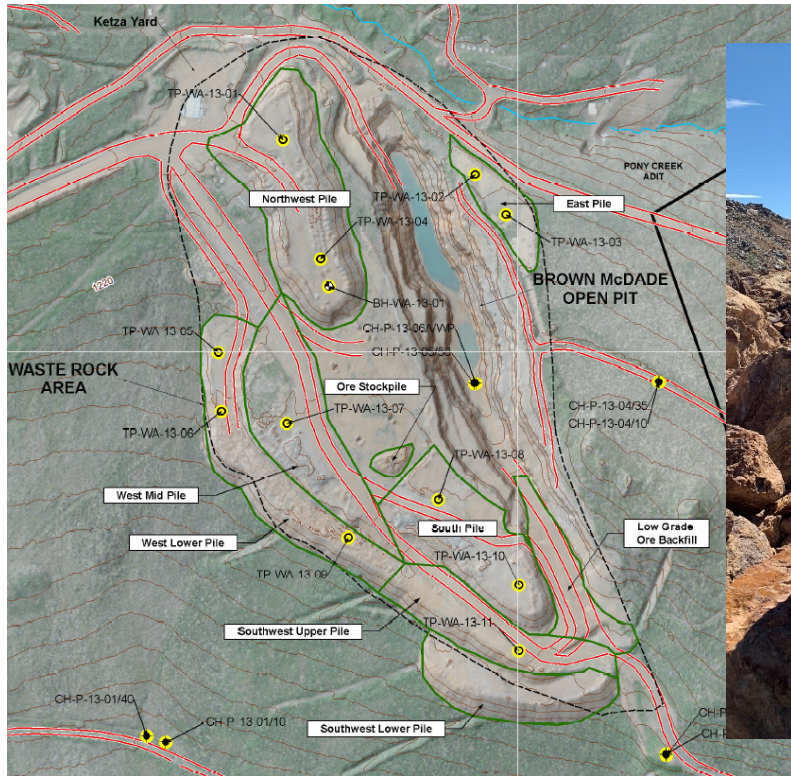


➤ Water Treatment – tailings seepage pond



Care & Maintenance – Upon issuance of Water Licence

➤ Waste Rock and Stockpiled Ore



Backfilled to the
Open Pit



Season 1 & 2

➤ Tailings Facility

Season 1 & 2



Backfilled
to the
Open Pit



➤ Mill Buildings and Other Infrastructure



To be demolished – hazardous waste shipped offsite for disposal; inert material to be buried in Open Pit.

Season 2 & 3



➤ Other contamination?

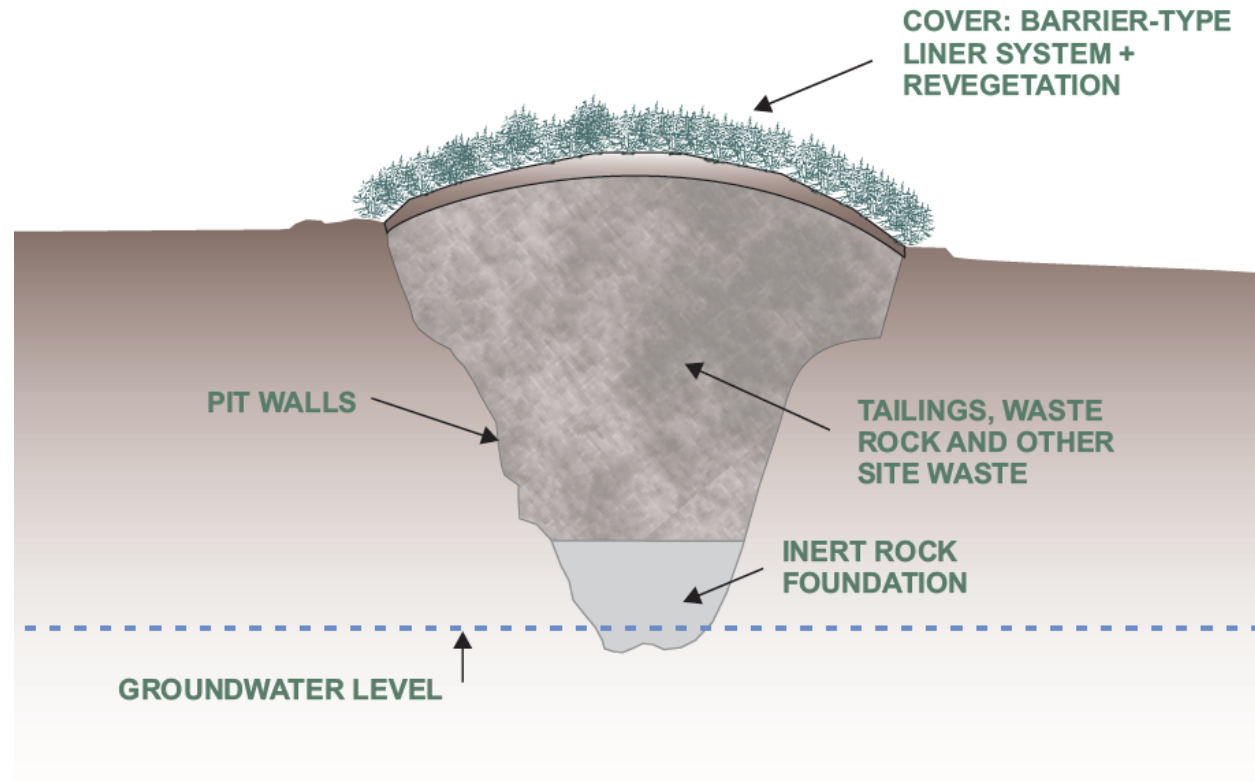
- Site tour in July 2019 to identify areas of potential contamination.
- Informs excavation plan.



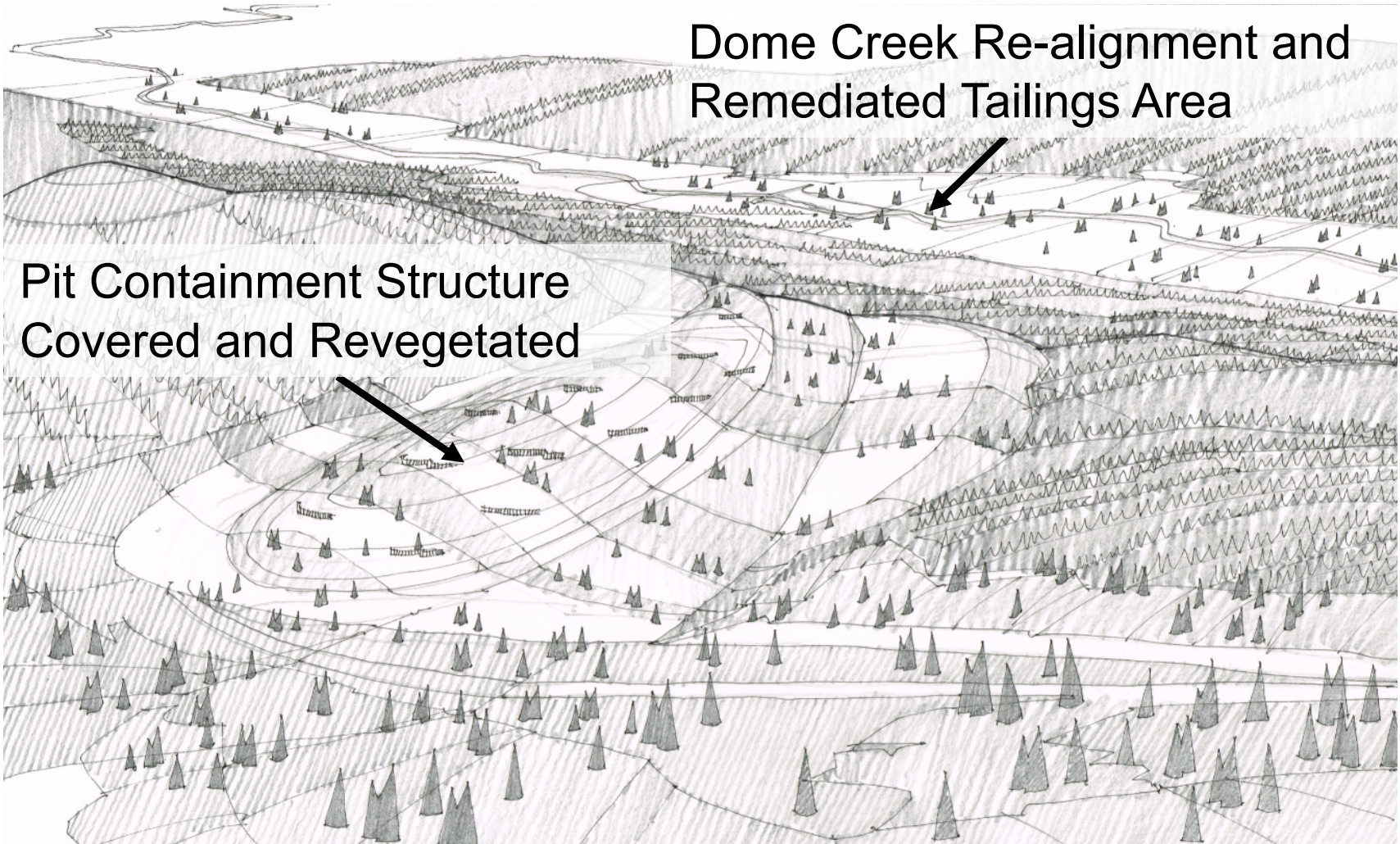
Season 3

- Pit Cover
- Dome Creek Valley Reconstruction
- General site regrading, remediation and revegetation

PIT CONTAINMENT STRUCTURE



Performance Monitoring and Adaptive Management (2026-2030)



Project Schedule (2020-2030)

2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030

Develop Preliminary Design Remediation Plan

Care & Maintenance (MNRLP)

YESAA and Water Licence

Remediation: Season #1

Remediation: Season #2

Remediation: Season #3

Monitoring Remediation Performance

Participation and Benefits Agreement with LSCFN

- Revenue sharing.
- Training, employment and contracting opportunities.
- Involvement in continuing to develop remediation plan.
- Involvement in YESAA and Water Licence applications and processes.
- Ongoing meetings, communication and reporting.



Opportunities: *Care & Maintenance*



➤ Care & Maintenance (Summer 2020-2023)

- **4 year-round, full-time positions** (2 Water Treatment Plant Operators & 2 General Maintenance / Care-taker positions)
- Part-time Environmental Monitor positions
- Contracts (earth-moving, concrete, camp services, fuel supply, waste management, surveying, etc.)

Opportunities: Seasonal - Remediation



- Remediation (3 seasons: June – September 2023, 2024 & 2025)
 - **25-35 seasonal hires** (including management/supervisor, labourer and other positions)
 - Part-time Environmental Monitor positions
 - Contracts (earth-moving, camp services, fuel supply, waste management, surveying, etc.)

Training

- Care & Maintenance
 - 2 Water Treatment Plant Operator positions & 2 General Maintenance / Care-taker positions
 - Job Shadowing at Keno
 - Specialized training: Water Treatment Plant Operator
 - Environmental Monitoring, Assessment & Licensing
- Remediation
 - Earth-moving/ Construction Equipment Operation
 - Environmental Monitoring, Assessment & Licensing

How can you find out more?

About the project, about employment, contracting
or training opportunities?

Mason Fairclough

LSCFN Mount Nansen Project

Liaison/ Coordinator

863-5576 ext. 243

mason.fairclough@lscfn.ca

Lauren Haney

Mount Nansen Remediation LP

(867) 668-6463 ext. 290

Email: info@mnrp.ca

Web: www.mnrp.com

1. Refining the Remediation Plan
 2. Developing the submission to the Yukon Environmental and Socio-economic Assessment Board
 - Submit in Fall 2020
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- How can you participate?
 - Contact Mason Fairclough or Lauren Haney
 - Attend further community meetings
 - Sign up to receive updates
 - See website www.mnrp.com

*Together, we can
clean up and reclaim
the Mount Nansen
Mine Site!*

