



# Regulatory Context

October 14, 2015

Remtech 2015, Banff, AB

**Giant Mine Remediation Project**



Canada



# The Setting







# A Brief History

- Gold discovered in region in 1800s
- Exploration in the 1930s led to opening of Giant Mine in 1948



- Operated continuously until 1999, when operator went bankrupt



# A Brief History

- Abandoned site became Government of Canada and GNWT responsibility
- Started remediation planning
- Offsite processing of ore continued until 2004



Photo by Dennis J. Sasa

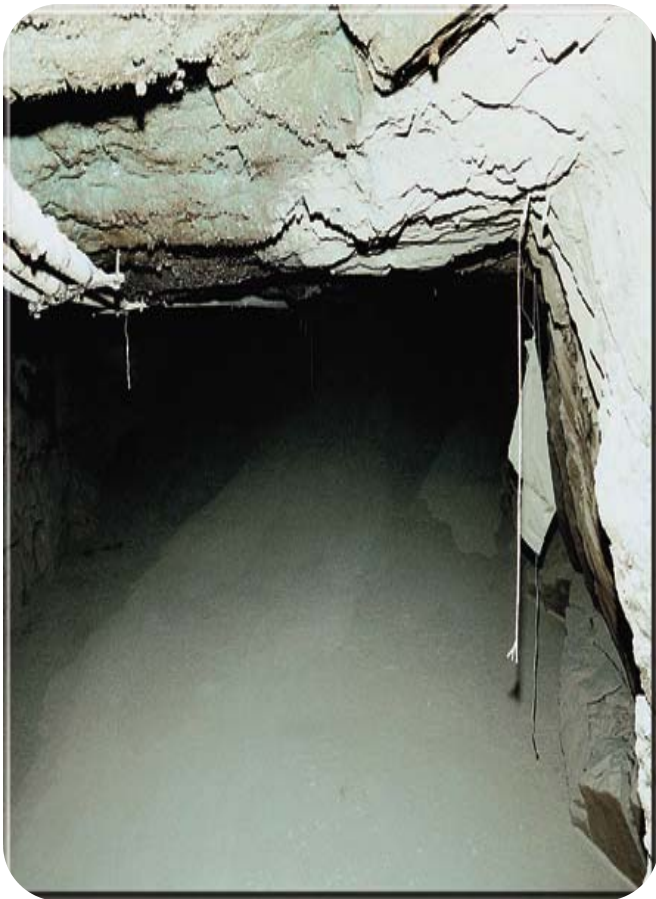
- Giant Mine Remediation Project created to reduce risk and liability to Crown
- Canada and NWT co-proponents for project





# Site Characteristics

- 850 hectare site
- 237,000 Tonnes arsenic trioxide dust

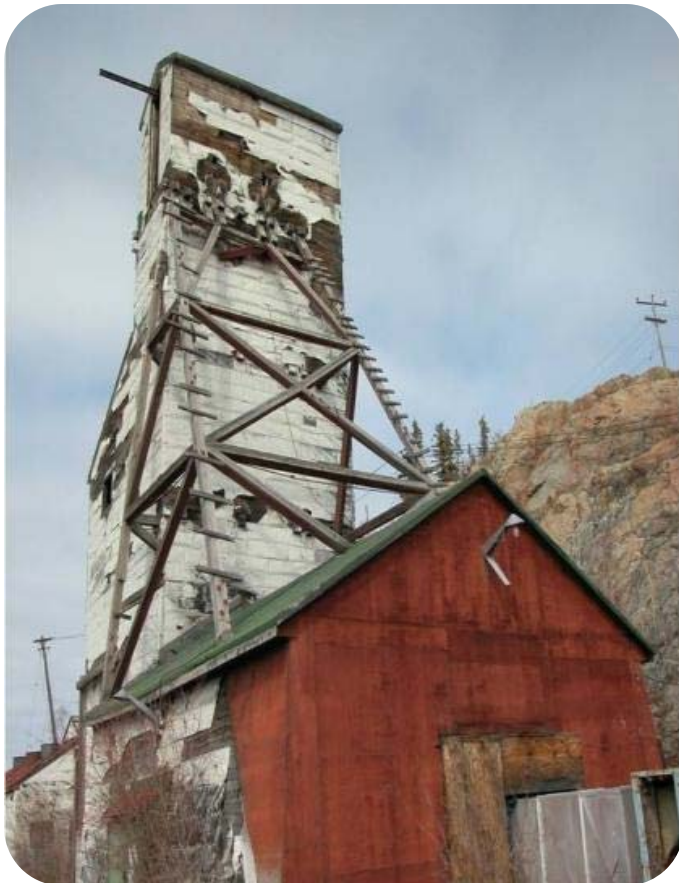


- >100 structures (some heavily contaminated)
- 95 hectares of tailings



# Site Characteristics

- Contaminated soils
- Watershed (creek and fish habitat)



- Several large open pits
- Underground instability
- Jurisdictionally complex  
– Federal, Territorial,  
First Nations, City of  
Yellowknife



# Legislation and Regulations







# Legislation and Regulations

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- Fisheries Act
- Northwest Territories Mine Health & Safety Act & Regulations
- City of Yellowknife
  - By-Law 4404 (Development Permit and Demolition Permit)

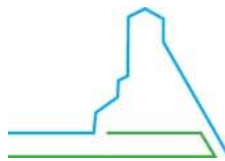




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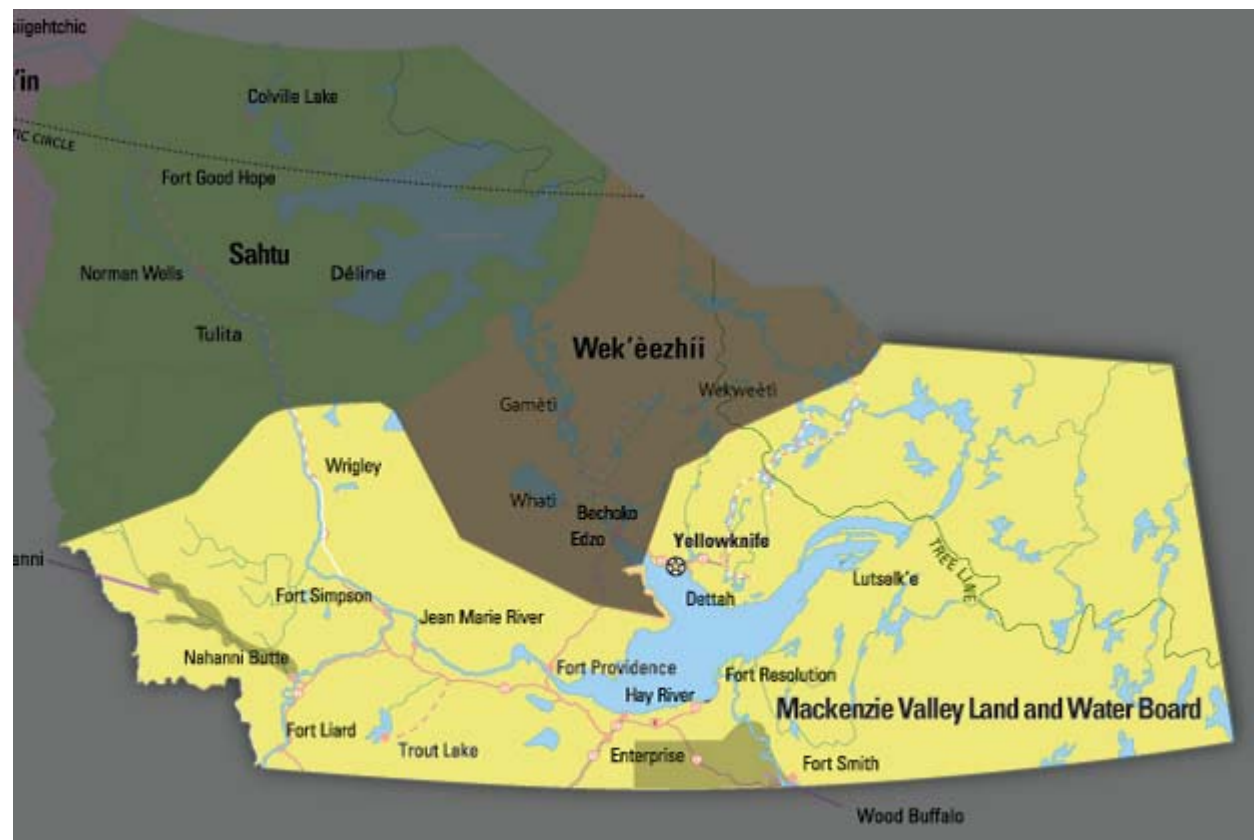
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- Mackenzie Valley Resource Management Act
  - Water Licence & Land Use Permit
  - Administered by the Mackenzie Valley Land & Water Board



# Legislation and Regulations

- Mackenzie Valley Resource Management Act



MACKENZIE VALLEY LAND AND WATER BOARD



## Other Authorizations

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- Migratory Birds Convention Act
- Species at Risk Act
- NWT Health & Social Services
- Various research permits





# Challenges to Project Planning

- Possibility of competing requirements
- Consultation time built into scheduling
- Additional reporting





# Challenges to Project Planning

- Shortening of already limited work season
- Ongoing water treatment & other controls





# Meeting Our Requirements



- Integrated project team & work planning
  - Regulatory, risk, engagement, communications
  - Work with technical team during, not after, planning
  - Can include input from Dept. of Justice lawyers





# Meeting Our Requirements

- Regulatory Manager
  - Located in Yellowknife
  - Regular and frequent communication with inspectors, Board staff, and others
  - Participates in work planning and scheduling
  - Monitors compliance during work





# Questions?

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