

SEARCH INSTRUCTIONS AND LIST OF SELECTED KEY WORDS

Search Instructions

You can search the presentations using key words selected for the topic, words in the title, names of mines, last names of one of the authors and in some cases organizations and locations. A list of key words selected for the topic, mine names, and organizations and locations is listed below.

- The key word list indicates synonyms. For example, the key word underwater is used for subaqueous or flood.
- When the topic term consists of more than one word put quotation marks around the words to avoid searching for each word separately (e.g., “waste rock“, “soil cover” and “climate change”).
- Typically, the key word is the shortest version of the term (e.g., backfill rather than backfilling or backfilled and thicken rather than thickened).
- Key word headings that do not start with a capital letter are also searchable.

Once you have typed in your key word or words selection(s) under SEARCH hit enter to see the BC MEND Presentations that apply to your selection(s). Search results will provide the author, title, workshop, year and key words for the selected Presentations. Click on the title to download the presentation.

Key Words

Stage of Mine Life

- exploration
- predevelopment
- operating
- closure
- relinquishment

Cross Cutting Issues

- abandoned (bankruptcy)
- artisanal
- background
- biofilm
- climate (includes meteorology, storm events, aspect and precipitation)
- climate change (see GHG)
- communication
- community
- cost
- discharge
- erosion (see water management and wind erosion under Mitigation)
- failure
- financial security (liability)
- FMEA - failure modes and effects analysis (see risk assessment)
- genomics
- geography
- GHG (greenhouse gases)

- guidelines
- human health
- long-term
- mining (mining schedule)
- monitoring (monitoring instrumentation)
- options analysis
- physical stability (geotechnical)
- processing
- qualified professional
- receiving environment (EEM: environmental effects monitoring)
- reclamation
- regulation
 - MMER
- research needs
- revegetation
- risk assessment (failure modes and effects analysis – FMEA)
- stakeholder
- statistical analysis
- survey
- toxicity

Mine Components

- mine workings
 - pit
 - underground
 - subsidence (includes pit wall failure)
- tailings
 - impoundment
 - cyanide
 - cyclone
 - dam
 - desulphurize
 - filter (filtered and dry stack)
 - inclusions (waste rock)
 - liberation
 - paste
 - roaster (includes by-product from other forms of pressure oxidation during the processing of refractory ore such as calcine and autoclave)
 - reprocessing
 - rougher
 - sand
 - slimes
 - slurry
 - spill
 - thicken
- waste rock
- Other Components
 - ash

- cement
- coarse coal reject
- concentrate
- construction material
- dam
- heap leach
- in-situ leach
- low grade ore
- ore
- processing residue
- non-mine
 - highway
 - landfill
- road (mine road)
- sediment
- smelter
- soil
- solid residue

Constituent

- arsenic
- blasting residue (nitrate, ammonium)
- cyanide
- lithium
- mercury
- rare earth
- selenium
- sulphate
- thiosalt (intermediate S species)
- uranium

Prediction (includes characterization, measurement and performance monitoring)

- AP (includes sulphide and other sulphur species, rate of sulphide oxidation, and galvanic interaction)
- attenuation
- bioavailability
- discharge (also listed as cross cutting issue)
- drainage chemistry (includes solubility control, attenuation, ...)
- gas (includes air movement, entry, release and gas composition)
- geology
- hydrology (includes hydrogeology, groundwater, water movement, water balance and permeability)
- isotope
- kinetic test (includes humidity cell, column, field test pad, barrel and test cell)
 - lag time (includes onset of acidic drainage)
- liberation
- loading
- machine
- microbiology

- mineralogy (XRD, QEMSCAN, ...)
- minewall
- model
- NAG (net acid generation tests using peroxide)
- neutral pH
- NP (neutralization potential)
- PAG (Potentially ARD Generating, includes PAG criteria)
- particle size
- QA/QC
- sampling
- scale up
- synchrotron
- temperature (thermal properties such as thermal conductivity)
- tracer
- weathering

Mitigation

- compact
- contingency (adaptive management)
- liner
- maintenance
- management
- operation
- reprocessing
- seismic
- water management (includes water erosion)
 - cut-off wall
 - diversion
 - settling pond
- wind-erosion (includes dust)

Material Placement or Modification

- amend (amendments to solid, includes coatings)
 - bactericide
 - bentonite
 - biosolids (includes sewage and sewage sludge)
 - carbon
 - ferric
 - lime
 - limestone (including other carbonate rock)
 - nutrients
 - phosphate
 - proprietary
 - thiocyanate
 - ZVI (zero valent iron)
- backfill
- blending
- codisposal (e.g., waste rock and tailings; tailings and treatment solid residue)

- consolidate (pick up spilled tailings)
- deposition (waste rock, tailings)
- desulphurize
- encapsulation
- freezing (includes permafrost and thermal insulation)
- layering
- leach
- pervious surround
- segregation

Underwater (includes subaqueous and flood)

- biofilm
- bulkhead
- diffusion barrier
- dredge
- elevated water table (saturated cover)
- flooded underground
- impoundment
- natural lake
- pit lake
- stratification
- submarine

Dry Cover

- asphalt cover
- bentonite cover
- capillary
- composite
- geomembrane
- GCL (geosynthetic clay liner)
- liner
- organic cover
- progressive
- rock cover (includes waste rock and quarried rock)
- soil barrier (includes compacted cover, capillary barrier, CCBE and isolation cover)
- store and release (evaporation cover)
- tailings cover

Drainage Treatment

- active
 - aeration
 - clarifier
 - electrical reduction
 - fluidized bed
 - HDS
 - ion exchange
 - membrane (includes filtration, nano filtration, see reverse osmosis)

- reverse osmosis
 - metal recovery
 - moving bed
 - sulphate reduction (includes SRBs and bioreactor, also could be passive)
- treatment reagent
 - barium
 - carbon
 - ferric
 - ferrous
 - flocculent
 - gypsum
 - lime
 - limestone
 - NaOH
 - NaCO₃
 - nutrients
 - lignosulphonate
 - organosulphide
 - ozone
 - peroxide
 - phosphate
 - proprietary
 - shells
 - slag
 - sulphide
 - thiocyanate
 - ZVI (zero valent iron)
- passive
 - anoxic limestone bed
 - limestone bed
 - natural attenuation
 - permeable reactive barrier
 - settling pond
 - sulphate reduction (includes SRBs, bioreactor, also could be passive)
 - vertical flow pond (includes RAPS - reducing and alkalinity producing system)
 - wetland
- other treatment terms
 - aeration
 - air trap
 - batch
 - biofilm
 - collection (see Mitigation/Water Management)
 - in-situ (within mine material or component - pit lake, waste rock)
 - pH-adjustment
 - phytoremediation
 - polish
 - proprietary
 - reduction

- scaling
- slake
- solid residue (sludge)
 - geotube

Mine Sites

- Aitik
- Aldermac
- Alumbreira
- Amaruq
- Anaconda
- Antamina
- Arctic Gold and Silver
- ASARCO
- Aznalcóllar
- Beaverlodge
- Bell
- Bellekeno
- Benambra
- Berkeley
- Bersbo
- Bingham Canyon
- Bisbee
- Bluebell
- Bouchard Hebert
- Brenda
- Brewery Creek
- Britannia
- Brucejack (also see Sulphurets)
- Brule
- Brunswick
- Bucko Lake
- Budel
- Burleigh Tunnel
- Butte
- Cajamarquilla
- Colquijirca
- Canadian Malartic
- Cantung
- Cape Breton (see also Franklin, Lingan, Scotchtown Summit, Victoria Junction)
- Caribou
- Carmacks
- Carson Hill
- Casa Berardi
- Central City
- Cerro Corona
- Cerro de Pasco
- Chañaral
- Chisel North

- Cluff Lake
- Coal Mountain
- Cobalt
- Cobar
- Coffee Gold
- Colomac
- Copper Cliff
- Copper Mountain
- Cochenour Wilanour
- Crandon
- Crean Hill
- Denison Detour
- Dexing
- Diavik
- Discovery
- Doyon
- East Boulder
- East Kemptville
- East Sullivan
- Ekati
- El Teniente
- Eleonore
- Elizabeth City
- Elkview
- Elk Valley
- Elliot Lake
- Enasen
- Endako
- Equity (Equity Silver)
- Eskay Creek
- Fäboliden
- Falu Gruva
- Faro
- Fault Lake
- Flin Flon
- Force Crag
- Fording
- Franklin
- Freeport-McMoRan
- Gardanne Coal
- Geco
- Giant
- Gilt Edge
- Golden Giant
- Golden Sunlight
- Goldex
- Goldstrike

- Greenhills
- Greens Creek
- Gunnar
- Halifax Airport
- Hanford
- Hardy
- Heath Steele
- Henderson
- Heritage Coast
- Highland Valley Copper
- Hollister
- Hötjärn
- Huckleberry
- Island Copper
- Jeb
- Joutel
- Kam Kotia
- Karara
- Kemess
- Keno Hill
- Kevitsa,
- Key Lake
- Kidd Creek
- Kiggavik
- Königstein
- Kristineberg
- KSM
- Kylylahti
- La Coipa
- Lac Tio Mine
- Lake Koocanusa
- Landau
- Lingan
- Leviathon
- Line Creek
- Louvicourt
- Lower Williams Lake
- Lynn Lake
- Macleod
- Matagami
- Matabi
- Manitou
- Mary River
- Martabe
- McClean Lake
- Meliadine

- Minto
- Montague
- Monticello Canyon
- Mosquito Creek
- Mount Isa
- Mount Milligan
- Mount Nansen
- Mount Polley
- Mount Washington
- Mount Whaleback
- Musselwhite
- Myra Falls
- Nacimiento
- Neves Corvo
- New Afton
- New Brunswick Coal
- Nickel Plate
- Nickel Rim
- Nighthawk
- Norbec
- Normetal
- Nova Scotia
- Oil Sands
- Ok Tedi
- Omaga
- Omai
- Onaping (Strathcona)
- Owl Creek
- Panel
- Raglan
- Pine Point
- Pogo
- Poirier
- Porcupine
- Princess
- Quinsam Coal
- Quirke
- Rain
- Rainy River
- Red Chris
- Red Dog
- Richmond Hill
- Ridgeway
- Rosebel
- Rum Jungle
- Samatosum

- San Luis
- Sandy Flat (Redbank)
- Sasol Technology
- Saxberget
- Schwartzwalder
- Scotchtown Summit
- Sea to Sky
- Seal Harbour
- Selbaie
- Shebandowan
- Sherridon
- Sherman
- Silvertip
- Snap Lake
- Snow Lake
- Solbec
- Somet
- Spanish American
- Stanleigh
- Stirling
- Sullivan
- Stanrock
- Stekenjokk
- Stillwater
- Stirling
- Stockton
- StraBberg/Herz
- Stratmat
- Sudbury
- Sulphurets (also see Brucejack)
- Summit
- Svartliden
- Sweetwater
- Syncrude
- Telkwa Coal
- Tintaya
- Thompson Creek
- Trail
- Tulsequah
- Tundra
- Valleyfield
- Vaudreuil Alumina
- Veladero
- Venus
- Victoria Junction
- Voisey's Bay

- Waihi
- Wellington Oro
- Westwood
- West Fork
- Wheal Jane
- Whistle
- Willroy
- Wismut
- Zortman-Landusky

Organizations and Location

- ACMER
- BC (British Columbia)
- CanmetMINING
- CERM3
- Chile
- European Union
- First Nation
- Fundación Chile
- GARD Guide
- GISTM
- Global Alliance
- ICARD
- INAP
- Inmet
- MAC
- Manitoba
- MEND
- NOAMI
- Ontario
- Quebec
- Saskatchewan
- Sustainable Minerals Institute
- RIME (Research Institute of Mines & Environment)
- TIME (toxicological investigations of mining effluent)
- TSM
- UK
- UQAT