

2018 Mine Reclamation Awards

Presented by

The British Columbia Technical and
Research Committee on Reclamation



42th Annual Awards Presentation
September 18, 2019 –Kimberley, BC



Highlights of Last Year's Awards

Williams Lake, 2018

2017 JAKE MCDONALD ANNUAL RECLAMATION AWARD

Teck Highland Valley Partnership
for Highland Valley Copper





Aquatic Reclamation at HVC





HVC



Introduction of aquatic plants via root frames and rafts

Introduction of benthic invertebrates via screen and bucket and hay bales





HVC



Bethlehem Tailings Riparian and Aquatic Revegetation



HVC



Benthic algae in Heustis Pit Lake

Filamentous algae in Heustis Pit Lake

Periphyton growth in rock baskets deployed in Iona Pit Lake



HVC

Heustis Pit – rainbow trout (top left), Kokanee (bottom left) and riparian and aquatic vegetation (below)





HVC



Chris Hercun, Sarah Whitehouse, Jamie Dickson and Richard Doucette accept the Jake McDonald Award for Highland Valley Copper Mine.



2018 Metal Mining Award

**Crown Contaminated Sites, FLNRORD and
AECMON Canada Ltd. for
Atlin Ruffner Mill and Tailings Site**



Atlin Ruffner Mill & Tailings



Site during remediation works - 2017



Atlin Ruffner Mill & Tailings



Bituminous geomembrane liner and interceptor trench installation - 2017



Atlin Ruffner Mill & Tailings



Installation of piped surface water diversion



Atlin Ruffner Mill & Tailings



Drone Flyover during construction



2018 JAKE MCDONALD MINE RECLAMATION AWARD

**Barrick Gold Inc.
for Giant Nickel Enhanced
Tailings Reclamation Project**



Giant Nickel Enhanced Tailings Reclamation

Following Enhanced Reclamation



Tailings Storage Facilities prior to reclamation, before enhanced reclamation, after enhanced reclamation.



Giant Nickel Enhanced Tailings Reclamation



Finger drain construction



Giant Nickel Enhanced Tailings Reclamation



Upper TSF South Embankment



Giant Nickel Enhanced Tailings Reclamation



Upper TSF seepage collection



Giant Nickel Enhanced Tailings Reclamation



Revegetated Lower TSF

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