

# 2017 Mine Reclamation Awards

Presented by

The British Columbia Technical and  
Research Committee on Reclamation



41<sup>th</sup> Annual Awards Presentation  
September 19, 2018 – Williams Lake, BC



# **2017 Coal Mining Award**

**Teck Coal Limited  
for Line Creek Operations**



# Line Creek

Horseshoe Ridge





# Line Creek



← Example of traditional reclamation



Rough and loose preparation planted with native species →



# Line Creek

- Planted in 2013 / 2014 with 250,000 seedlings of 34 species
- Planted stock focused on native pioneering species and plants that are culturally important to the Ktunaxa Nation





# Line Creek

Cottonwood and willow species at the Horseshoe Ridge site



Wildlife trees installed to provide perches for birds and raptors



# Line Creek

Horseshoe Ridge  
reclamation two  
years after  
planting



# 2017 JAKE MCDONALD ANNUAL RECLAMATION AWARD







# 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



Transplant of sedges,  
rushes and cattails



Live staking and living  
logs



# HVC

2013



2015



Bethlehem Tailings Riparian and Aquatic Revegetation Program



# 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



Peryphyton in Iona Pit Lake

Iona Pit Lake one year after fertilization

Rising water levels in Iona Pit Lake, 2013 - 2017