2009 MINE RECLAMATION AWARDS

Presented by

The British Columbia Technical and Research Committee on Reclamation

34th Annual Mine Reclamation Symposium
September 22, 2010 - Courtenay, BC
2008 B.C. JAKE MCDONALD MINE RECLAMATION AWARD

‘Keeper Trophy Presentation’
Highland Valley Copper
Highland Valley Copper

Creation of Riparian and Aquatic Habitat
2008 B.C. JAKE MCDONALD MINE RECLAMATION AWARD

Teck Highland Valley Copper Partnership
for
Highland Valley Copper Mine
2009 ANNUAL RECLAMATION AWARDS
2009 MINERAL EXPLORATION CITATION
Alpha Gold Corporation for Lustdust
2009 Drill pad reclamation
2010 Road reclamation
Re-establishment of small natural watercourses
Early re-seeding efforts
2009 MINERAL EXPLORATION
CITATION

Alpha Gold Corporation
for Lustdust
2009 QUARRY CITATION
CertainTeed Gypsum Canada Ltd.
for
Windermere Mining Operations
Elkhorn Quarry (2006)
planted pre-1990

2003, seedling placement

2005, grass establishment

Planted pre-1990

Reclaimed waste dumps, no growth medium
Hydroseeding of waste rock dumps.
Note islands of native vegetation.
Sediment control pond  Water quality monitoring
CertainTeed Gypsum Canada Ltd. for Windermere Mining Operations
2009 COAL MINING CITATION
2009 COAL MINING CITATION

Teck Coal Limited for Elkview Operations
Hazards in Michel Creek, pre-cleanup

Example of materials removed from Michel Creek
Streambank following construction (April 2004)

Successfully revegetated streambank (August, 2010)
Red osier dogwood and willow brush layer
(May 2004)
Streambank and riparian bench after construction and seeding (2004)

Successfully revegetated streambank and riparian bench (2010)
Elkview

Willow growth 6 years after planting (August 2010)
2009 COAL MINING
CITATION

Teck Coal Limited for Elkview Operations
Rough and loose surface preparation

Placement of Coarse Woody Debris

September 2008

August 2009

August 2010
Kemess South

Natural vegetation sites

Soil slinging

Borrow 3 Reclamation
Kemess South

Loose and rough soil preparation

Native vegetation encroachment

Borrow 7 Reclamation
Waste rock surface preparation and overburden placement (July, 2010)
Resloped waste rock dump with overburden placed (August 2010)
Kemess South

Reclamation of Tailings Dam
“Brown before Green”
Northgate Minerals Corporation for Kemess South Mine
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Lehigh Materials

for

Sechelt Mine
Vegetated retaining berms block noise and improve visual aesthetics.
Biosolids and pulp sludge test plots

Biosolids application with manure spreader
Poplar plantation prior to reclamation (2004)

Poplar plantation (2009)
Poplar plantation, trees up to 13 m in height
(July 2009)
Wetland establishment
Work experience and training programs are part of the reclamation program.
Biosolids sampling for quality control

Groundwater sampling near reclamation operations
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Lehigh Materials for Sechelt Mine