Highlights of Last Year’s Awards

Vancouver 3, 2015
2014 METAL MINING AWARD

Huckleberry Mines Ltd.
for Huckleberry Mine
Creek M downstream view of lower fishway prior to remedial works and during construction.
Huckleberry Mine

Creek M downstream view of lower fishway in operation

2012

2014
Huckleberry Mine

Remote access and equipment.
Huckleberry Mine

Weir replacement to achieve grade control in Creek M
Environmental Monitoring Assistant with the Yinka Dene Economic Limited Partnership, working with Hatfield Consultants on the monitoring of Creek M fish ladders in Tahtsa Reach.
Marke Wong (Environmental Superintendent), Hiroyuki Tarumi (President), and Randall Thompson (Chief Operating Officer) accepted the Metal Mining Award for Huckleberry Mine. Also pictured, Karina Briño (MABC – far left) and Elaine McKnight (Deputy Minister, BC MEM).
2014 B.C. JAKE MCDONALD MINE RECLAMATION AWARD

Keeper Trophy Presentation

Valley Gravel Sales Ltd.
for Valley Gravel (Huntingdon Road)
Valley Gravel

2010 air photo of disturbance area.
Valley Gravel

Cut and fill completed to level disturbed area.
Valley Gravel

Sand filter layer added across subgrade.
Valley Gravel

Extensive soil screening completed to create suitable topsoil
Valley Gravel

Local manure added and tilled into topsoil, followed by a final tilling and planting.

Addition of topsoil and re-grading of the site resulting in higher capability than prior to mining.
Valley Gravel

Reclamation in progress, 2012
Valley Gravel

2014, first cut of hay bales produced
Valley Gravel

Successful home garden plot within reclamation project area, 2013-2014
Barry McLean (Chief Financial Officer; second from left) accepted the Jake McDonald Mine Reclamation Award for the Valley Gravel Mine. Also pictured, Angela Waterman (MABC – far left), Jonathon Buchanan (AMEBC) and Kim Bellefontaine (BC MEM).
2015 JAKE MCDONALD ANNUAL RECLAMATION AWARD
2015 JAKE MCDONALD ANNUAL RECLAMATION AWARD

Thompson Creek Metals Company Inc. for Mount Milligan Mine
Mt. Milligan

Circa 2006 mine plan - Source Mt. Milligan Environmental Assessment
Mt. Milligan

2009 Mine Plan – Source: Mt. Milligan Environmental Assessment
Mt. Milligan

Lower Rainbow Pond constructed in 2013. Note inverted snags and overhanging logs.
Mt. Milligan

Overwintering Pond - Powerline Pond constructed 2015.

2015 - Habitat structures placed.

Photo 2016.
Mt. Milligan

Overwintering Ponds

Upper Rainbow Pond constructed in 2012.

Photo 2015

Photo 2016
Mt. Milligan

Lower Rainbow Pond – Fish Use and Great Blue Heron
### Mt. Milligan

Monitoring effectiveness of compensation projects.

<table>
<thead>
<tr>
<th>Pond Perimeter Plantings</th>
<th>Upper Rainbow Pond</th>
<th>Lower Rainbow Pond</th>
<th>Powerline Pond</th>
<th>Total</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area treated m²</td>
<td>5,000</td>
<td>6,000</td>
<td>2,000</td>
<td>13,000</td>
<td></td>
</tr>
<tr>
<td># Conifer (clumps)</td>
<td>700</td>
<td>700</td>
<td>200</td>
<td>1,600</td>
<td></td>
</tr>
<tr>
<td>Sedge Clumps</td>
<td>100</td>
<td>45</td>
<td>-</td>
<td>145</td>
<td></td>
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<tr>
<td>Willow staking’s</td>
<td>200+100</td>
<td>200</td>
<td>100</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>% cover to Summer 2016</td>
<td>95</td>
<td>85</td>
<td>20</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Soil Dump Reclamation</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Area treated m²</td>
<td>34,000</td>
<td>77,000</td>
<td>33,000</td>
<td>144,000</td>
<td>Natural vegetation infill</td>
</tr>
<tr>
<td># Conifer (spaced)</td>
<td>4,820 Sx/Pl</td>
<td>10,182 Pl</td>
<td>3,818 Pl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 g 15-4-4 at planting</td>
<td>2,000</td>
<td>2,210</td>
<td>1,120</td>
<td>5,330</td>
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</table>

<table>
<thead>
<tr>
<th>Habitat Created m²</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Deep Water</td>
<td>11,100</td>
<td>10,190</td>
<td>7,542</td>
<td>29,000</td>
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<tr>
<td>Shallow Water</td>
<td>6,995</td>
<td>7,725</td>
<td>6,524</td>
<td>21,000</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Dissolved Oxygen in March 2015 at 50 cm depth (mg/L)</th>
<th>6</th>
<th>6.1</th>
<th>n.a.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Woody Debris trees</td>
<td>60</td>
<td>58</td>
<td>50</td>
</tr>
<tr>
<td>Boulder Groups</td>
<td>8</td>
<td>26</td>
<td>11</td>
</tr>
<tr>
<td>Vertical Bird Perches</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Mt. Milligan

Before: Culvert erosion and habitat impacts from historic forestry activities.

After: Bridge replacement of culverts and eco-pockets with plantings.
Mt. Milligan

Mine Planning

Operational Phase mine layout. Reduced disturbance and tight mine footprint.

Post Closure Design. Flow through wetlands.
2015 JAKE MCDONALD ANNUAL RECLAMATION AWARD

Thompson Creek Metals Company Inc.
for Mount Milligan Mine
2015 Mine Reclamation Awards

Presented by
The British Columbia Technical and Research Committee on Reclamation

40th Annual Awards Presentation
September 21, 2016 – Penticton, BC