<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Check in &amp; Breakfast</td>
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<tr>
<td>8:30 am</td>
<td>Welcome &amp; Opening Remarks</td>
<td>Warren McCullough, Montana DEQ</td>
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<td></td>
<td><strong>REMEDIATION IN SOUTHWEST MONTANA SESSION</strong></td>
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<tr>
<td>8:45 am</td>
<td>Revegetation after Mine Waste Removal and Metals Impacts: Examples from Western Montana Floodplains</td>
<td>Tom Parker, Geum Environmental Consulting &amp; Stuart Jennings, KC Harvey</td>
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<tr>
<td>9:15 am</td>
<td>Montana Moonscapes: Mitigating Large-Scale Erosion on Steep Slope Uplands in Roadless Areas of the Anaconda Superfund Site</td>
<td>Pedro Marques, Big Hole Watershed Committee</td>
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<tr>
<td>9:45 am</td>
<td>Remediating and Restoring Smelter-Devastated Lands Near Anaconda, Montana</td>
<td>Greg Mullen, Montana Natural Resource Damage Program &amp; Rich Prodgers, Bighorn Environmental Services</td>
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<tr>
<td>10:15 am</td>
<td>The Clark Fork River Reach-A Remediation and Restoration Project</td>
<td>Bill Bucher, PE, CDM Smith</td>
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<tr>
<td>10:45 am</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>11:15 am</td>
<td><strong>ITEMS OF GEOLOGICAL INTEREST SESSION</strong></td>
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<tr>
<td>11:15 am</td>
<td>World Class Talc Deposits</td>
<td>John Childs, Childs Geoscience, Inc.</td>
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<tr>
<td>11:45 am</td>
<td>Water Availability and Use at the Cripple Creek &amp; Victor Mine Site</td>
<td>Ronald Parratt, Newmont Mining Corp.</td>
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<tr>
<td>12:15 pm</td>
<td><strong>LUNCH</strong></td>
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<tr>
<td>1:15 pm</td>
<td>The Cultural Adventures of Sierra Leone - Mining and Beyond</td>
<td>Ruby B. Johnson, USDA Forest Service</td>
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<tr>
<td>1:45 pm</td>
<td>Optimizing the Ecological Benefits of Different Reclamation Soils Across the Landscape in the Alberta Mineable Oil Sands Region</td>
<td>Brad Pinno, PhD, Canadian Forest Service</td>
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<tr>
<td>2:15 pm</td>
<td>Tailings Failures and Risk Management Considerations</td>
<td>Dirk van Zyl, PhD, PE, P Eng, University of British Columbia</td>
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<tr>
<td>2:45 pm</td>
<td>Dan Brown’s “DaVinci Code” meets Indiana Jones: Exploration for Gold in the Amazon Region of Ecuador</td>
<td>Keith Barron, PhD, Aurania Resources Ltd.</td>
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<td>3:15 pm</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>3:45 pm</td>
<td>Mining History and Minerals, Bluebird Mine and Mill, Butte, Montana</td>
<td>Richard Gibson, Independent Geologist &amp; Historian</td>
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<tr>
<td>4:15 pm</td>
<td>Ice Patch Archaeology and Unmanned Aerial Vehicles</td>
<td>Craig Lee, PhD, University of Colorado &amp; James Strait, Montana DEQ</td>
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<tr>
<td>5:30 pm</td>
<td><strong>Evening Social hosted by Tetra Tech</strong></td>
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</table>
7:30 am  Check in & Breakfast

**WATER TREATMENT/MANAGEMENT SESSION**

8:30 am  Applications of Microbiological Methods in Mine Waste/Water Management  
Lisa B. Kirk, PhD, Enviromin, Inc.

9:00 am  Proactive & Predictive Water Management of a Pit Lake used for Tailings Disposal, Humboldt Tailings Disposal Facility, Eagle Mine, Michigan  
Jennifer Nutini, PE, Lundin Eagle Mine & Devin Castendyk, PhD, Hatch

9:30 am  Sulfate and Nitrate Removal from Mining Wastewaters using the Electro-Biochemical Reactor (EBR) Technology  
Jane Fudyma, INOTEC

10:00 am  BREAK

10:30 am  Embankment Underdrain for Nitrogen Source Reduction  
Matt Wolfe, Stillwater Mining Company & Craig Hall, Knight Piésold Ltd.

**EXPLORATION & OUTREACH SESSION**

11:00 am  Proactive Prospect Advancement: Discovery, Permitting, Community Outreach, & Pilot Drilling of the Clementine Prospect in the Northern Pioneer Mountains, Southwest Montana  
George Brimhall, Clementine Exploration

11:30 am  Community Engagement and the Tamarack Project  
Amanda Miller, Kennecott Exploration Company

Noon  Social Risks in the Mining Sector  
Erik Carlson, AICP, ERM

12:30 pm  LUNCH

**MINE DESIGN SESSION**

1:30 pm  Strata Energy’s Central Processing Plant – A Design-Build Success Story  
Beau Johnston, PE, TREC, Inc.

2:00 pm  Cost and Technically Effective Methods for Erosion and Sediment Control on Large Mine and Mine Reclamation Sites from Design into Construction  
Martin Carlson, PE, & Cody Lechleitner, PE, CDM Smith

2:30 pm  Development of a Surface Seismic Monitoring Network for Deep Underground Metal Mines in the Coeur d’Alene Mining District  
Jerry Richardson, NIOSH Spokane Mining Research Division

3:00 pm  Fort Knox Belt #1 Rehabilitation  
Kris VanLuchene & Tim White, Morrison Maierle

3:30 pm  BREAK

**TAILINGS IMPOUNDMENT SESSION**

4:00 pm  Tailings Impoundment Stabilization Using Ground Improvement Technologies  
Ken Brouwer, Knight Piésold Ltd.

4:30 pm  Risk Analysis for Evaluation of Mine Impounded Water  
Mike Gobla, PE, US Bureau of Reclamation

5:00 pm  Tailings Dam Breach Analyses and Classification from a Canadian Perspective  
Marc E. Orman, PE, GE, Amec Foster Wheeler

5:45 pm  Evening Social hosted by Pioneer Technical Services
THURSDAY, MAY 11

DAY CHAIR: MIKE HUFFINE, US FOREST SERVICE

7:30 am  Check in & Breakfast

**REVISITS (OLDIES BUT GOODIES) SESSION**

8:30 am  Selection and Implementation of a Post-Closure Mine Dewatering System at the Chevron Mining Inc., Questa Mine, New Mexico
Joe Gilbert, PG, GISP, Arcadis

9:00 am  Slurry Wall at Holden Mine
George Little & John Councilman, Great Lakes Environment & Infrastructure

9:30 am  Completion of the Holden Mine Remedial Action – End of Construction & Beginning of Operation and Maintenance
Joseph Gibbens, PE, US Forest Service and Mark Dagel, LGH, Hart Crowser

10:00 am  McDonald Gold Project
Sonya Rosenthal, Montana Tech

10:15 am  BREAK

**RECLAMATION/REMEDIATION SESSION**

10:45 am  Source Control: Is it too Good to be True?
Paul Eger, Sovereign Consulting

11:15 am  Extracting Value from Mine Waste
Andrew Harley, PhD, DuraRoot Environmental Consulting

11:45 am  Successful Revegetation Techniques for Mine Sites
Mike Vice, ACF West, Inc.

12:15 pm  Reclamation in Times of Fiscal Restraint – What are the Opportunities?
David Polster, Polster Environmental Services, Ltd.

12:45 pm  LUNCH

END OF CONFERENCE!