



**Collaboration and Innovation**

**2026 ESCA BC  
Annual Conference**

October 21 - 22, 2026 Coquitlam, BC



**ESCA BC**

Erosion and Sediment Control  
Association of British Columbia



## PROUD PLATINUM SPONSOR OF THE 2026 ESCA BC ANNUAL CONFERENCE

ADVANCING COLLABORATION.  
INSPIRING INNOVATION.  
BUILDING BETTER.



**TO BE THE PARTNER  
OF EXCELLENCE,  
TO BUILD BETTER**



700 Pender Street West, Suite 615  
Vancouver, British Columbia  
V6C 1G8, Canada



EbcInc.Canada



ebc.inc



company/ebcinc

# Table of Contents

|                                                    |    |
|----------------------------------------------------|----|
| Schedule at a Glance—October 21 .....              | 2  |
| Schedule at a Glance—October 22 .....              | 3  |
| President's Welcome .....                          | 4  |
| Land Acknowledgement.....                          | 5  |
| Conference Sponsors .....                          | 6  |
| Annual General Meeting and Board Nominees.....     | 8  |
| Conference Exhibitors .....                        | 9  |
| Session Details—October 21 .....                   | 10 |
| Session Details—October 22.....                    | 12 |
| The Caroline Astley Career Growth Scholarship..... | 14 |
| Acknowledging our Milestone Members .....          | 15 |
| Speaker Profiles .....                             | 16 |
| ESCA BC Memberships and Profile Management.....    | 20 |
| ESCA BC Board of Directors.....                    | 21 |
| Access to Conference Recordings .....              | 22 |
| Field Days.....                                    | 23 |
| Lunch 'n' Learn Series .....                       | 24 |
| Updating ESCA BC's Purpose.....                    | 26 |
| Indigenous ESC Training Program.....               | 27 |
| BC CESCL.....                                      | 28 |

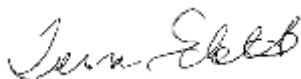
## Conference Chair's Welcome

It has been a pleasure planning this conference. Exploring the themes of collaboration and innovation has been both rewarding and energizing. These concepts open the door to meaningful connections, fresh ideas, greater efficiencies, and creative solutions to long-standing challenges. We encourage you to fully immerse yourself in these themes over the next two days and discover ways to apply them to enhance and strengthen your professional practice.

I would like to extend my sincere thanks to the Conference Committee for their dedication and hard work in bringing this event to life. Ammar and Tim, your ability to think deeply, contribute innovative ideas, and help turn those ideas into action has been invaluable. Your efforts have played a significant role in making this professional development event possible and will undoubtedly contribute to its success.

To the Board of Directors and Board volunteers, thank you for your continued support, commitment, and investment in this conference. We are grateful for your willingness to champion our ideas and for the countless hours you dedicate before and during the event. While your responsibilities often mean sacrificing opportunities to fully enjoy the conference experience yourselves, your contributions make it possible for hundreds of British Columbia's ESC practitioners to learn, connect, and grow.

Most importantly, enjoy the conference and take every opportunity to connect with those around you. Meaningful conversations often spark the best ideas, and it is through collaboration that we can continue to innovate, strengthen, and advance our industry together.



Terra Schott, 2026 Conference Chair

# Wednesday, October 21, 2026

|               |                                                                                                                                                                                                                                                                                                                                                                                   |                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 7:30 – 9:00   | REGISTRATION AND BREAKFAST                                                                                                                                                                                                                                                                                                                                                        | Main Ballroom                       |
| 9:00 – 10:30  | <p>WELCOME AND KEYNOTE ADDRESS</p> <p><b>Welcome Address</b><br/>Tom Hicks, ESCA BC</p> <p><b>Keynote Address: The Tahltan Nation - How Internal Innovation and External Partnerships Lead the People to Unprecedented Opportunities, Success and Self-Determination</b><br/>Chad Norman Day, Thadu Consulting Corporation</p>                                                    | Main Ballroom                       |
| 10:30 – 11:00 | EXHIBITOR AND NETWORKING BREAK                                                                                                                                                                                                                                                                                                                                                    | Exhibitor Area                      |
| 11:00 – 12:00 | <p>SPEAKER SESSION 1</p> <p><b>Hard Armour, Green Results: Innovative Solutions for Channel and Dam Rehabilitation</b><br/>J.J. Breed, Terrafix Geosynthetics</p> <p><b>Water Quality Monitoring Equipment and Sampling Techniques - Innovation Supports Compliance</b><br/>Miranda Lewis, Hatfield Consultants<br/>Kyle Paddon, WSP</p>                                          | <p>Aspen Room</p> <p>Birch Room</p> |
| 12:00 – 12:45 | LUNCH                                                                                                                                                                                                                                                                                                                                                                             | Main Ballroom                       |
| 12:45 – 2:00  | <p>PLENARY PANEL</p> <p><b>Innovating BMPs and their Usage</b><br/>Elena Ranyuk (Flowlink Environmental), Nathan Polster (Polster Environmental), Damon Sump (Profile Products), Maria Parish (Toronto &amp; Region Conservation Authority), Steve Auger (Toronto &amp; Region Conservation Authority), and Moderator Alex Zimmerman (ECBVerdyol).</p>                            | Main Ballroom                       |
| 2:05 – 3:05   | <p>SPEAKER SESSION 2</p> <p><b>Erosion Control in the Intertidal Zone-The Duwamish River People's Park Project</b><br/>Dave Jenkins</p> <p><b>Polymer Solutions for Managing Erosion, Sediment, and Stormwater Quality: A Fundamentals Review</b><br/>Brian Free, Applied Polymer Systems</p>                                                                                     | <p>Aspen Room</p> <p>Birch Room</p> |
| 3:05 – 3:30   | EXHIBITOR AND NETWORKING BREAK                                                                                                                                                                                                                                                                                                                                                    | Exhibitor Area                      |
| 3:30 – 4:30   | <p>SPEAKER SESSION 3</p> <p><b>Indigenous Led Watershed Restoration: A Collaborative Model for Building Climate Resiliency in the Fraser Valley, BC</b><br/>David Miekle, Milestone Environmental Contracting</p> <p><b>Engineered Biochar Filter Socks for Water Contaminant Removal as Part of Adaptive Management in ESC</b><br/>Robin Ruddock, MS Environmental Solutions</p> | <p>Aspen Room</p> <p>Birch Room</p> |
| 4:30 – 6:00   | SOCIAL MIXER & CAROLINE ASTLEY SCHOLARSHIP, with FORTIS BC                                                                                                                                                                                                                                                                                                                        | Exhibitor Area                      |

# Thursday, October 22, 2026

3

Schedule at a Glance—October 22

|               |                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 8:00 – 9:00   | BREAKFAST                                                                                                                                                                                                                                                                                                                                                                                                      | Main Ballroom                       |
| 9:00 – 10:30  | <p>PLENARY PANEL</p> <p><b>Collaboration - Bridging the Gap between Intention and Construction Reality</b><br/>           Andrew Allan &amp; Kelly Brignall (Kiewit); Dustin Venhuizen &amp; Kevin Banek (Burrard-Chilco Partnership); Thomas Varley (South Fraser Station Partners) &amp; Michelle (Marcotte) Bailey (Sea to Sky Environmental), and Moderator Ryan Preston (BlueLines Environmental Ltd)</p> | Main Ballroom                       |
| 10:30 – 11:00 | EXHIBITOR AND NETWORKING BREAK                                                                                                                                                                                                                                                                                                                                                                                 | Exhibitor Area                      |
| 11:00 – 12:00 | <p>SPEAKER SESSION 4</p> <p><b>Designing Beyond Legacy Guidelines: Why Sediment Pond Performance Demands forgetting Guidance Documents from the Past</b><br/>           Trent Hatfield, City of Surrey</p> <p><b>Getting It Right the First Time: Risk-Based Planning for Successful Reclamation</b><br/>           Damon Sump, Profile Products</p>                                                           | <p>Aspen Room</p> <p>Birch Room</p> |
| 12:00 – 1:00  | LUNCH                                                                                                                                                                                                                                                                                                                                                                                                          | Main Ballroom                       |
| 1:00 – 2:00   | <p>SPEAKER SESSION 5</p> <p><b>Eyes in the Sky, Boots Still on the Ground: Remote Sensing as a Force Multiplier for Erosion and Sediment Control</b><br/>           Eduardo Loos, Vertex Resource Group</p> <p><b>Isolating In-water Works</b><br/>           Maria Parish, Toronto &amp; Region Conservation Authority</p>                                                                                    | <p>Aspen Room</p> <p>Birch Room</p> |
| 2:05 – 3:05   | <p>SPEAKER SESSION 6</p> <p><b>Developing a Systems Approach to Erosion Control Compliance</b><br/>           Dave Jenkins</p> <p><b>Tsleil-Waututh Nation (səlilwətał) Reserve Shoreline Adaptation and Restoration Project</b><br/>           Daniel Leonard (Westmar Advisors), Becca Kordas (Hatfield Group), and Miranda Lewis (Hatfield Group)</p>                                                       | <p>Aspen Room</p> <p>Birch Room</p> |
| 3:05 – 3:30   | EXHIBITOR AND NETWORKING BREAK                                                                                                                                                                                                                                                                                                                                                                                 | Exhibitor Area                      |
| 3:30 – 4:30   | <p>SPEAKER SESSION 7</p> <p><b>A New National Standard for Erosion and Sediment Control: What Does It Mean for Practitioners?</b><br/>           Kelly Code (Fisheries and Oceans Canada) and Tom Hicks (Trinity Consultants)</p> <p><b>Choosing the Right Chemistry: Practical Solutions for Remediation and Turbidity Control</b><br/>           Bryan Shaw, ClearTech Industries</p>                        | <p>Aspen Room</p> <p>Birch Room</p> |
| 4:30 – 4:45   | CLOSING ADDRESS AND DOOR PRIZE DRAW                                                                                                                                                                                                                                                                                                                                                                            | Main Ballroom                       |
| 4:45 – 5:15   | ANNUAL GENERAL MEETING (AGM)                                                                                                                                                                                                                                                                                                                                                                                   | Main Ballroom                       |

# President's Welcome

This year, we welcome British Columbia's erosion and sediment control community both in person, here, and also virtually. Conferences are all about connections, and we want to enable connections with professionals from all around the province. For those in the rooms and ballroom in Coquitlam, we look forward to conversations. For those joining us on the virtual platform, reach out with questions and comments. We want your contributions as much as those from the people sharing the hallways.

The conference theme – Collaboration and Innovation – was carefully chosen to highlight what we feel can best benefit so many. As we all face struggles on projects, it is working together and learning to do things differently that will allow us overcome those challenges. Innovation rarely happens in isolation, so collaboration is a natural accompaniment. True collaboration requires open minds – ready to listen to all feedback rather than blindly defend ideas.

I would also like to thank our conference organising committee for the extensive hours they invested to bring these two days together. They are volunteers, and they make time in their work and sometimes personal schedules to brainstorm, plan, and execute all the ideas that make these two days so valuable.

Alongside the conference committee, I thank our sponsors and exhibitors for joining us and bringing their expertise and knowledge to all of us here. These companies are our collaborators for success, so have those open-minded conversations that create change. They are here for ideas and to share ideas.

May we all take the conversations we have here and work together to turn them into action that innovates our practice.



Tom Hicks  
ESCA BC President



## Environmental Management Specialists

- ESC Plan Design, Review & Field Inspection/Auditing
- Environmental Compliance Monitoring & Auditing
- Independent Environmental Monitoring
- Environmental Management Planning

 Learn more at [trinityconsultants.com/water-ecology](http://trinityconsultants.com/water-ecology)



# Land Acknowledgement

We acknowledge that the 2026 ESCA BC Annual Conference is taking place on the traditional, ancestral and unceded territory of the kʷikʷəłəm ([Kwikwetlem First Nation](#)).

We thank the kʷikʷəłəm, who continue to live on these lands and care for them, along with the waters and all that is above and below.

ESCA BC encourages all ESC practitioners to learn about the First Nations Lands Governance of the territories on which they work.

We also celebrate the 30<sup>th</sup> anniversary of the Framework Agreement on First Nations Land Management, which puts land governance in the hands and under the leadership of First Nations. There are now 132 Nations with land codes.



**DELIVERING STRATEGIC  
ENGINEERING SOLUTIONS  
FOR OUR OKANAGAN  
COMMUNITY**

- **CIVIL ENGINEERING**
- **LAND DEVELOPMENT**
- **PROJECT MANAGEMENT**

**250-870-6261**

**[ALPINEENGINEERING.CA](http://ALPINEENGINEERING.CA)**

# Platinum Sponsors



Ryan Wonnacott  
250.396.7208

[rwonnacott@kintera.ca](mailto:rwonnacott@kintera.ca)

Our purpose is what sets us apart and brings us together. Masters in many disciplines, we thoughtfully plan and execute projects in everything from field and forest to watersheds and wetlands.

Chartwell Resource Group and DWB Consulting have joined forces under our new operating name Kintera. United, aligned and ready, we are British Columbia's leading natural resource experts, navigating solutions from field and forest to watersheds and wetlands. Our combined efforts are not just about bringing skills and services under one roof. It's about putting common ground under our feet. Ground that allows us to build on our reputation for making the complex simple, and the simple meaningful.

The merger will expand our collective capabilities, widen our geographic reach, and deepen our expertise, as our team of nearly 300 employees help us build this exciting new chapter. Expertise works here, but great partnerships do too. And we look forward to building more as Kintera.



Bernard Higham  
236-269-1459

[bernardhigham@ebcinc.com](mailto:bernardhigham@ebcinc.com)

EBC is a family-owned construction company founded in 1968 by Fernand Houle and his brother Germain. Fernand Houle's daughter, Marie-Claude Houle, took over the company in 1999 and, since 2026, has served as Executive Chair of the Board. The Houle family's core values are quality workmanship, respect, and integrity. These values are proudly upheld by President and Chief Executive Officer Ghyslaine Deschamps. Over nearly 55 years, EBC has grown into one of Canada's largest construction companies. Our team includes approximately 1,600 employees and operates out of seven offices: Québec City, Montréal, Brossard, Ottawa, Mississauga, Timmins, and Vancouver. Since its foundation, EBC has contributed to some 760 projects totalling about \$22 billion. From Newfoundland and Labrador to New Brunswick, Ontario, Manitoba and British Columbia, as well as the international arena, clients have chosen EBC for our professionalism and our respect of budgets and timelines. This rigorous approach is applied to all our projects in British Columbia, whether building civil engineering, earthworks, marine works, energy transport, wind power, and more.

# Gold Sponsors



**Flowlink**  
ENVIRONMENTAL

Elena Ranyuk  
1.888.580.FLOW  
[support@flowlink.ca](mailto:support@flowlink.ca)



James Kay  
250.980.3728  
[james@alpineengineering.ca](mailto:james@alpineengineering.ca)



**Hatfield**

Terra Schott  
604.926.3267  
[tschott@hatfieldgroup.com](mailto:tschott@hatfieldgroup.com)



Tim Smiley  
800.755.6621  
[tsmiley@gflenv.com](mailto:tsmiley@gflenv.com)



Michelle Pask  
780.999.6294  
[mpask@ketaenv.com](mailto:mpask@ketaenv.com)

## Silver Sponsors



Andrew Potts  
[apotts@vertex.ca](mailto:apotts@vertex.ca)



Tom Hicks  
[tom.hicks@trinityconsultants.com](mailto:tom.hicks@trinityconsultants.com)



Kyle Paddon  
[kyle.paddon@wsp.com](mailto:kyle.paddon@wsp.com)



Kerry Mitchell  
[info@bbcontracting.com](mailto:info@bbcontracting.com)



Trent Hatfield  
[escbylaw@surrey.ca](mailto:escbylaw@surrey.ca)



Victor Ladipo  
[vladipo@srgi.ca](mailto:vladipo@srgi.ca)

Social Mixer Sponsor



**FORTIS BC™**



# ESCA BC

Erosion and Sediment Control  
Association of British Columbia

## Reminder Annual General Meeting (AGM)

ESCA BC's 2026 Annual General Meeting is being held here, at the end of the conference.

**Thursday, October 22, 2026**

**4:45pm—5:15pm**

**Main Ballroom, Executive Plaza Hotel  
(with option to [join virtually on Zoom](#))**

ESCA BC individual, Indigenous, government employee, corporate, and government members are asked to participate in this year's AGM. We look forward to sharing the association's recent and upcoming work and finances.

We will also be voting on nominees for the 2027 Board of Directors:



### **Nominee: Danielle Samels**

I am interested in serving on the ESCA BC Board of Directors as it is my opportunity to contribute to this wonderful organization and the people behind all the work. I have been attending the ESCABC conferences, lunch and learns and sessions for years and it's my turn to give back to help this organization grow. Through my work I know I can bring practical hands-on experience and an insight to complex multidisciplinary environments. With time permitting, I hope to contribute to board discussions, new initiatives and outreach.

### **Nominee: Gaurav Kumar**

I want to serve on the ESCA BC Board to put that perspective to work, connecting the relationships I've built across engineering firms, contractors, and material suppliers toward the association's outreach, training, and industry-standards goals. My background in government relations, strategic planning, and capture leadership across public and private sector projects would let me contribute immediately, not after a learning curve.

### **Nominee: John Gowans**

My involvement with implementation of Nature Based Solutions in ESC will hopefully provide a perspective where we can embrace what mother nature has done for years to provide her own solutions in ESC. And provide input on how complementary nature-based solutions can work in tandem with current bmp's on development and infrastructure building sites in BC. I'm also excited to share connection with my network of contacts in BC's construction, environmental, engineering and govt sectors. Many of the bright minds attend ESCABC events and it will be great that they can see a familiar face on the ESCABC team.

# Conference Exhibitors

9

Conference Exhibitors

| Company                    | Contact                                                                                                                         |                                                                                                                    |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Applied Polymer Systems    |  APPLIED POLYMER SYSTEMS, INC.                 | Brian Free<br>336.458.6211<br><a href="mailto:bfree@apsfloc.com">bfree@apsfloc.com</a>                             |
| ClearTech                  |  CLEARTECH                                     | Bryan Shaw<br>800.387.7503<br><a href="mailto:bshaw@cleartech.ca">bshaw@cleartech.ca</a>                           |
| Connexa Group              |  connexagroup                                  | Mark Malachowski<br>403.648.2772<br><a href="mailto:info@connexa.ca">info@connexa.ca</a>                           |
| Denbow                     |  DENBOW<br>environmental solutions             | Michelle McEachern<br>604.823.6647<br><a href="mailto:info@denbow.com">info@denbow.com</a>                         |
| FODS                       |  FODS                                         | Jason Ellington<br>844.200.3637<br><a href="mailto:mmcinnis@getfods.com">mmcinnis@getfods.com</a>                  |
| Layfield Geosynthetics     |  LAYFIELD<br>GEOSYNTHETICS                   | Gaurav Kumar<br>604.448.2917<br><a href="mailto:gaurav.kumar@layfieldgroup.com">gaurav.kumar@layfieldgroup.com</a> |
| MS Environmental Solutions |  MS Environmental Solutions                  | Robin Ruddock<br>250.803.8320<br><a href="mailto:robin@ms-enviro.com">robin@ms-enviro.com</a>                      |
| Premier Pacific Seeds      |  PREMIER PACIFIC SEEDS LTD.                  | Nikolas Wall<br>778.255.0696<br><a href="mailto:nik@premierpacificseeds.com">nik@premierpacificseeds.com</a>       |
| Terrafix Geosynthetics     |  terrafix <sup>®</sup><br>geosynthetics inc. | J.J. Breede<br>416-659-0363<br><a href="mailto:jj.breede@terrafixgeo.com">jj.breede@terrafixgeo.com</a>            |
| Titan Environmental        |  TITAN<br>BUILD YOUR LEGEND                  | Sonny Banjac<br>236.833.6073<br><a href="mailto:sonny.banjac@titanenviro.com">sonny.banjac@titanenviro.com</a>     |
| White Cap Supply           |  WHITE CAP                                   | Patrick Goosen<br>604.888.3457<br><a href="mailto:patrick.goosen@whitecap.com">patrick.goosen@whitecap.com</a>     |

## WELCOME & KEYNOTE

Main Ballroom

9:00  
–  
10:30

### **The Tahltan Nation - How Internal Innovation and External Partnerships Lead the People to Unprecedented Opportunities, Success and Self-Determination**

***Chad Norman Day, Thadu Consulting Corporation***

The Tahltan Nation, an Indigenous people located in rural northwest British Columbia, changed their destiny forever when they chose to work together and create their own territorial government and economic development corporation in the early 1980s. Their innovation led to unprecedented economic develop opportunities over the next 40+ years, enabling the Tahltan Nation to increasingly grow their internal capacity, assertiveness and self-determination initiatives into the modern-day. Today, the Tahltan Nation is home to several major projects helping fuel British Columbia's economy, and the Tahltan people benefit from some of the highest employment rates in the mining industry of any Indigenous group in Canada. Furthermore, they have negotiated some of the most advanced impact benefit agreements with government and industry, including the first Section 7 consent-based agreements under the Declaration on the Rights of Indigenous Peoples Act.

President Chad Norman Day will explore a plethora of examples of Tahltan best practices and help the audience understand how the Tahltan Nation achieved so much growth and success in recent decades.

## SPEAKER SESSION 1

### **Hard Armour, Green Results: Innovative Solutions for Channel and Dam Rehabilitation**

***J.J. Breed, Terrafox Geosynthetics***

Aging infrastructure, increased runoff from development, extreme storm events, and changing site conditions are creating increasingly complex erosion and infrastructure challenges. This presentation explores four case studies demonstrating how a tied concrete block system, Flexamat, was used to address challenging channel and dam rehabilitation projects while supporting long-term vegetation and site functionality. The first case study examines the rehabilitation of a 50-year-old municipal drain extending more than nine kilometers through agricultural lands. ...The second focuses on the replacement of a 200-year-old dam considered at risk of failure during major storm events. ...The third project involved rehabilitation of a 760 m municipal drain impacted by increased runoff from upstream development. ...The fourth highlights an erosion control and green space revitalization project within a residential park... Together, these case studies demonstrate how collaboration and innovation can drive successful rehabilitation. By bringing together owners, engineers, contractors, and product specialists, innovative erosion-control solutions can be effectively applied to overcome complex site challenges while balancing hydraulic performance, constructability, long-term resilience, and community expectations.

NOTE: This is an abbreviated session description. [View the full description on the conference website.](#)

### **Water Quality Monitoring Equipment and Sampling Techniques: Innovation Supports Compliance**

***Miranda Lewis, Hatfield Consultants, and Kyle Paddon, WSP***

Water quality monitoring during construction activities is often a compliance requirement. This session highlights project planning and evaluating water quality monitoring requirements prior to and during project activities. Our presenters will share their experience with equipment types, equipment selection and water quality monitoring techniques used to demonstrate compliance. This presentation will focus on common parameters that are routinely measured in the field (turbidity, pH, and temperature). This presentation will benefit new-to-intermediate environmental professionals who are involved with collecting and monitoring water quality.

## PLENARY PANEL - Innovating BMPs and their Usage

***Elena Ranyuk (Flowlink Environmental), Nathan Polster (Polster Environmental), Damon Sump (Profile Products), Maria Parish (Toronto & Region Conservation Authority), Steve Auger (Toronto & Region Conservation Authority), and Moderator Alex Zimmerman***

Some BMPs have seen little evolution in decades while others have been adapted in both their forms and uses. Exploring this innovation more deeply can offer better understanding of BMPs and why using them correctly is vital to success in erosion and sediment control. This panel of product and methodology-focused ESC professionals explores how BMPs have evolved (or not), with careful attention to what features have changed and why these changes were necessary. They will also explore what common characteristics are innovated, discussing why certain features are retained and others are introduced. Overall, understanding how BMPs evolve can help all ESC professionals better understand these technologies and methodologies and use them more effectively.

11:00  
–  
12:00

12:45  
–  
2:00

Aspen Room

Birch Room

Main Ballroom

**SPEAKER SESSION 2****Erosion Control in the Intertidal Zone-The Duwamish River People's Park Project**

Aspen Room

**David Jenkins, Retired CPESC (formerly Port of Seattle)**

Protecting water quality during construction can be challenging on any project. Constructing in the intertidal zone adds significant complexity to a project that requires creativity, flexibility and effective communication to be successful.

Using the cleanup of a Port of Seattle industrial site and subsequent intertidal habitat construction on the Duwamish Waterway as a case study, I will discuss the unique challenges encountered and how they were addressed, including working during a salmon run, storms, king tides, boat wakes, challenging environmental agencies, and difficult site access.

**Polymer Solutions for Managing Erosion, Sediment, and Stormwater Quality: A Fundamentals Review**

Birch Room

**Brian Free, Applied Polymer Systems**

Join us for a review, or to gain a basic knowledge of polymer flocculants—proven technologies used in water treatment and erosion and sediment control to ensure compliance standards are met. From soil stabilization and dust control to water treatment and pond clarification, flocculants—anionic polyacrylamide (PAM)—are now a cornerstone in meeting today's stringent water quality standards. Recognized in stormwater manuals across the U.S. and Canada for their effectiveness and safety for aquatic life, anionic flocculants can reduce turbidity far beyond what traditional BMPs can achieve alone. This essential training session delivers a deep dive into polymer flocculant fundamentals, guiding professionals through safe selection, proper application, and practical integration into both small-scale and full-scale environmental projects. Whether you're new to flocculants or looking to sharpen your skills, this presentation provides the critical knowledge needed to implement these tools confidently and compliantly.

2:05

–

3:05

**SPEAKER SESSION 3****Indigenous Led Watershed Restoration: A Collaborative Model for Building Climate Resiliency in the Fraser Valley, BC**

Aspen Room

**David Meikle, Milestone Environmental Consulting**

In November 2021, an unprecedented atmospheric river caused severe flooding across BC's Fraser Valley, inundating communities, damaging Highway 1, and devastating watershed habitats. The disaster exposed regional vulnerability to extreme weather and underscored the need for resilient, collaborative restoration approaches.

As part of a broader climate-focused infrastructure program tied to the Highway 1 expansion, the BC Ministry of Transportation and Transit undertook the rerouting of East Lonzo Creek, located within the traditional territory of the Semá:th First Nation. A pioneering joint venture, Wochmel Milestone—between Semá:th First Nation and Milestone Environmental Contracting Inc.—combined Indigenous stewardship with technical expertise. This collaboration enabled a historic first: the Ministry sole-sourcing an Indigenous-led partnership to deliver the work, positioning Indigenous communities as equal project leaders.

The project involved removing over 36,000 tonnes of contaminated material, managing invasive species, and restoring habitat through the planting of more than 10,000 native plants selected with guidance from Semá:th Elders. Notably, juvenile salmon returned to the creek for the first time in over 35 years. Building on this success, the model was expanded to the Marshall Creek restoration, improving ecological health, restoring fish habitat, and strengthening flood resilience—demonstrating a replicable, partnership-driven approach to watershed restoration

3:30

–

4:30

**Engineered Biochar Filter Socks for Water Contaminant Removal as Part of Adaptive Management in ESC**

Birch Room

**Robin Ruddock, MS Environmental Solutions**

Engineered biochar filter socks serve as an effective component in erosion and sediment control (ESC) by utilizing biochar-filled tubes to trap sediments, heavy metals, and pollutants from stormwater, surface flow, urban runoff, and mine water. In adaptive management for ESC, these socks enable flexible, versatile, site-specific deployment with ongoing monitoring to adjust strategies, improving water quality and reducing environmental impact through bio-remediation and easy integration into existing site water management plans.

## PLENARY PANEL

### Collaboration - Bridging the Gap between Intentions and Construction Reality

**Andrew Allan & Kelly Brignall (Kiewit), Michelle [Marcotte] Bailey (Sea to Sky Environmental) & Thomas Varley (South Fraser Station Partners), Dustin Venhuizen & Kevin Banek (Burrard-Chilco Partnership) and moderator, Ryan Preston (BlueLines Environmental)**

9:00  
–  
10:30

Far too often, construction teams and environmental teams find themselves at odds. While each team has the best of intentions, the reality is that they need to function together to deliver project success. On major work, covering hundreds of kilometers, over years of changing phases and stages, and with hundreds and even thousands of workers...collaboration is paramount. Join three pairs of construction and environmental managers that have worked together on major projects.

## SPEAKER SESSION 4

### Designing Beyond Legacy Guidelines: Why Sediment Pond Performance Demands forgetting Guidance Documents from the Past

Aspen  
Room

**Trent Hatfield, City of Surrey**

For more than three decades, the *Land Development Guidelines for the Protection of Aquatic Habitat* (DFO, 1993) have influenced erosion and sediment control (ESC) practice throughout British Columbia. While the Guidelines provided an important advancement at the time for protecting aquatic habitat, sediment pond design has evolved from a one-size-fits all exercise into a performance-based discipline grounded in sediment transport science and site-specific analysis. This presentation examines why many sediment ponds that appear compliant on paper fail to achieve consistent treatment performance in the field. Drawing on lessons from ESC practice, regulatory approaches, and sediment behavior, it explores a fundamental question: *Are we designing ponds for WQ targets or to tick a check box?*...

11:00  
–  
12:00

NOTE: This is an abbreviated session description. [View the full description on the conference website.](#)

### Getting It Right the First Time: Risk-Based Planning for Successful Reclamation

Birch  
Room

**Damon Sump, Profile Products**

Successful reclamation of soil and vegetation disturbances from large scale civil projects, mining, and pipeline construction requires a holistic and risk-informed approach. This presentation outlines five fundamental principles essential for effective erosion control and long-term vegetation establishment. Emphasis is placed on early discovery and planning as critical risk management tools, enabling identification of site constraints, reduction of construction and environmental risks, and selection of cost-effective mitigation measures. These fundamentals are reinforced through clear construction plans, qualified inspection, and post-construction monitoring and maintenance. Selected Canadian case studies illustrate how systematic planning and execution across diverse environments reduces uncertainty, minimizes failures, and improves reclamation outcomes.

## SPEAKER SESSION 5

### Eyes in the Sky, Boots Still on the Ground: Remote Sensing as a Force Multiplier for Erosion and Sediment Control

Aspen  
Room

**Eduardo Loos, Vertex Resource Group**

The session will cover: the basic mechanics of vegetation and soil indices; strengths and limitations of spaceborne data for ESC applications; a practical look at cost and turnaround; and where this technology realistically fits into BC's ESC toolkit today. Emphasis throughout is on collaboration between Earth Observation specialists and ESC practitioners. Erosion and sediment control practitioners typically rely on ground-based inspection to assess vegetation recovery, bare soil exposure, and site disturbance, which can be time- and labour intensive across large or remote footprints. This session introduces how spaceborne remote sensing can complement and enhance that work.

1:00  
–  
2:00

NOTE: This is an abbreviated session description. [View the full description on the conference website.](#)

### Isolating In-water Works

Birch  
Room

**Maria Parish, Toronto and Region Conservation Authority**

The presentation will provide an overview of the planning and implementation of in-water works to ensure compliance with relevant federal legislation and due diligence responsibilities. Different types of in-water and near-water works will be included such as bridge piers, linear infrastructure, culverts, dredging, stormwater outfalls and restoration projects. Tips on strategic design and implementation such as physical isolation of the work area, maintaining stream flows, completion of a fish salvage and dewatering of the work area will be included. ...This presentation is designed to provide the tools for designers to minimize the risk of harmful impacts to aquatic habitats from in-water and near-water projects.

NOTE: This is an abbreviated session description. [View the full description on the conference website.](#)

**SPEAKER SESSION 6****Developing a Systems Approach to Erosion Control Compliance**

Aspen Room

**David Jenkins, Retired CPESC (formerly Port of Seattle)**

Too often, engineering design, contract development, environmental compliance, and construction are managed as separate components in a total project package. In fact, this is a more traditional approach to project development and implementation. While this works well enough for many projects, when projects become more complex, a more holistic view of the process is indicated.

Understanding how engineers, environmental staff, construction managers, and contractors fit into the overall process and how each can be managed to increase overall project performance is key. In the early 2000's, facing a 10 year multi-billion-dollar upgrade to the Seattle-Tacoma International Airport, this approach was developed and used successfully. This process continues to this day and is being used on the current multi-year master plan.

2:05

–

3:05

**Tsleil-Waututh Nation (səlilwətaʔ) Reserve Shoreline Adaptation and Restoration Project**

Birch Room

**Daniel Leonard (Westmar Advisors), Becca Kordas & Miranda Lewis (Hatfield Consultants)**

The Tsleil-Waututh Nation (səlilwətaʔ) Reserve Shoreline Adaptation and Restoration Project represents a leading example of Indigenous-led, community-driven coastal resilience that integrates nature-based solutions with cultural revitalization. Located along Burrard Inlet in North Vancouver, the project responds to decades of shoreline degradation, including erosion, habitat loss, and reduced access to traditional harvesting areas, compounded by climate change and sea level rise. Led by Tsleil-Waututh Nation in partnership with Westmar Advisors Inc., DHI, Hatfield Consultants, and PWL Landscape Architects, the project is grounded in an extensive, multi-year engagement program. The resulting concept advances a hybrid “eco-cultural” shoreline that integrates coastal engineering, habitat restoration, and Indigenous stewardship practices. Key interventions include beach nourishment, construction of rock headlands and habitat islands, dynamic revetments, salt marsh restoration, and planting of culturally significant native vegetation. Completed in June 2026, the project demonstrates how nature-based solutions can be scaled and adapted to meet both engineering performance requirements and community-defined cultural objectives. The project highlights how deeply rooted community engagement can fundamentally reshape project outcomes—transforming shoreline protection into a vehicle for ecological restoration, cultural renewal, and climate resilience.

**SPEAKER SESSION 7****A New National Standard for Erosion and Sediment Control: What Does It Mean for Practitioners?**

Aspen Room

**Kelly Code, Fisheries and Oceans Canada, and Tom Hicks, Trinity Consultants**

DFO is developing nationalized standard practices intended to bring greater consistency to the planning, review, and management of activities that may affect fish habitat. An example of keen interest to this group is the new Interim Standard for Planning for Land-based Erosion and Sediment Controls. This session will explore the process for creating the standard and the rationale behind the new approach, as well as providing a detailed look at the interim standard, and examining how it is expected to be implemented and applied. Most importantly, the session will translate the new standard into practical implications for proponents, consultants, regulators, and practitioners responsible for planning and implementing erosion and sediment controls.

3:30

–

4:30

**Choosing the Right Chemistry: Practical Solutions for Remediation and Turbidity Control**

Birch Room

**Bryan Shaw, ClearTech Industries**

This presentation provides a high-level overview of chemical technologies used for both in-situ remediation and turbidity control in environmental applications. Commercial treatment products are often marketed under proprietary trade names, making it difficult to understand the underlying chemistry, treatment mechanisms, and appropriate applications. This session will demystify these technologies by focusing on the active ingredients, how they work, and the situations in which they are most effective. The presentation will cover remediation strategies for common contaminants, including hydrocarbons, metals, and PFAS-related compounds, alongside chemical approaches for controlling turbidity and suspended solids during construction, dewatering, and environmental projects. Field case studies will be used to demonstrate treatment performance, illustrate lessons learned, and highlight how successful outcomes often depend on close collaboration between suppliers, contractors, consultants, and project owners. By combining field experience with technical expertise, treatment programs can be tailored to site-specific conditions rather than relying on a one-size-fits-all approach. By the end of the presentation, attendees will have a clearer understanding of the chemical tools available for environmental remediation and turbidity control, as well as the value of early collaboration in selecting and optimizing treatment solutions that achieve project objectives efficiently and cost-effectively.

# Caroline – Our Powerhouse of Laughter and Doing it Right



*We remember your passion.  
We remember your guidance.  
We remember the difference you made.*

**And in your name, we will make a difference.**

Last fall, we lost Caroline Astley, and we grieved alongside her family and friends. For those of you who knew her, we understand acutely the massive impact this positive, fun-loving, compassionate and highly professional woman had on your lives. As a board and collection of colleagues, friends, and karaoke back-up singers, we choose to honour Caroline's impact by carrying her with us at our conference and holding her up to continue inspiring.

For those of you who did not know Caroline, she was a professional biologist who epitomized the word professional. She joined the ESCA BC Board of Directors in 2018 and pushed forward our association with her energy, drive, and leadership. So much of what ESCA BC is today is, in many ways, thanks to Caroline.

This year, we launched the Caroline Astley Career Growth Scholarship for Biologist. We have dedicated revenue from some of our investments – an asset Caroline helped establish – to fund this perpetual award. Caroline supported so many of her colleagues on their career paths, and we want to continue her impact on helping people build new opportunities for themselves.

Join us at the Social Mixer, on Wednesday evening, to raise a glass to Caroline, enjoy some music, and celebrate our first recipient of this scholarship. Caroline's mum, Penny, will join us, along with some of her co-workers, from FortisBC. Together, we wish the best to the 2026 scholarship winner and will enjoy an evening of laughter with colleagues and friends.



# Acknowledging Our Milestone Members

ESCA BC is BC's community of erosion and sediment control practitioners. We recognize members every five years with active membership. In gratitude and pride, we extend one year's complementary dues for their ongoing engagement and support of ESC in BC.

This year, we celebrate:

| Individual Members |          |                   |          |
|--------------------|----------|-------------------|----------|
| Adrian O           | 5 years  | Doug F            | 7 years  |
| Claude C           | 5 years  | Michael R         | 7 years  |
| Cynthia J          | 5 years  | Philippa H        | 7 years  |
| Leanne H           | 5 years  | Allana G          | 8 years  |
| Marty R            | 5 years  | Donald L          | 8 years  |
| Matthew D          | 5 years  | Paige M           | 8 years  |
| Monica S           | 5 years  | Travis B          | 8 years  |
| Ryan B             | 5 years  | Colin B           | 9 years  |
| Ryan F             | 5 years  | Patrick G         | 9 years  |
| Ryan Mac           | 5 years  | Ryan P            | 9 years  |
| Graeme P           | 6 years  | McKenzie L        | 10 years |
| Ian C              | 6 years  | Sammy C           | 10 years |
| Neil S             | 6 years  | Tanya B           | 10 years |
| Phil H             | 6 years  |                   |          |
| Government Members |          | Corporate Members |          |
| City of Coquitlam  | 10 years | White Cap         | 10 years |

If your name or your company's name is listed here, please stop in to the conference registration desk to pick up a small token from ESCA BC.



**A positive impact,  
achieved together.**

# Conference Speakers

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alex Zimmerman  | Alex Zimmerman brings over 30 years of large-scale construction and reclamation experience to Erosion and Sediment Control and stormwater training. From large disturbance, linear, and single-family construction to restoration and emergency landslide repair, his experiences add to informative trainings on real world issues for construction site and facility operators, inspectors, and designers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Andrew Allan    | Andrew is a Registered Professional Biologist (R.P.Bio.) with 35 years of experience leading environmental programs for major infrastructure, energy, and industrial projects. He specializes in permitting, compliance, environmental planning, habitat and wildlife protection, and construction monitoring. Andrew has led multidisciplinary teams on projects including Trans Mountain Expansion, G3 Terminal Vancouver, and Woodfibre LNG, successfully integrating environmental requirements into planning and construction while maintaining regulatory compliance and strong environmental performance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Becca Kordas    | Dr. Becca Kordas is a marine biologist and permitting specialist at Hatfield Consultants, with 25 years of experience in marine and freshwater systems. She specialized in Marine Biology during her academic career, earning a Bachelors in Biology, a Masters in Biology, and a PhD in Zoology. She won two post-doctoral fellowships to study the effects of warming on freshwater communities in Iceland. Becca is now a Manager in Marine Resources for Hatfield Consultants, where she focuses on habitat assessment, permitting, and habitat restoration and offsetting design for marine infrastructure and coastal protection and climate adaptation projects. She is responsible for environmental management on projects, which includes collaborating with clients, Indigenous nations, stakeholders and the public.                                                                                                                                                                                                                                                                                                                                 |
| Brian Free      | Brian Free is a Certified Professional in Erosion & Sediment Control (CPESC), Certified Professional in Storm Water Quality (CPSWQ), Qualified SWPPP Developer/Practitioner (QSD/P), and a Certified Professional Agronomist (CPAg). Brian brings a holistic approach to solving many of today's challenges in erosion control and stormwater management. He has successfully helped clients across the United States and Canada in many market segments including energy, transportation, homebuilding, solid waste management, mining reclamation, and post-fire remediation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bryan Shaw      | Bryan Shaw is a Regional Account Manager with ClearTech Industries. In this role, Bryan is responsible for supporting ClearTech's client base through product support and technical advice. Bryan holds a Ph.D in Chemistry from the University of British Columbia as well as his Professional Chemist designation with the Association of the Chemical Profession of British Columbia (ACPBC). In addition, Bryan is the current President of the Environmental Managers Association of BC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chad Norman Day | <p>Chad Norman Day is a proud member of the Tahltan Nation who grew up between Smithers and Telegraph Creek, in Northern British Columbia. His education includes a Bachelor of Arts in First Nation Studies and Political Science, as well as a Juris Doctorate in Law.</p> <p>As President and Spokesperson of the Tahltan Central Government (TCG) for a decade (2014-2024), Chad's leadership saw the government grow in capacity, financial stability, and self-governance. He restructured the organization, expanding the staff from five to fifty-five employees, established thirteen new departments, and negotiated landmark agreements. Those efforts have been worth billions of dollars with industry partners, neighboring Indigenous peoples and government to prioritize sustainable practices and benefits for the Tahltan Nation.</p> <p>Following his illustrious political career, President Day started his own consulting company, Thadu Consulting Corporation. He is passionate about mentoring youth, hunting, traveling, health and fitness, and he is a proud Father to children of Tahltan, Wet'suwet'en, and Filipino descent.</p> |
| Damon Sump      | Damon Sump is the National Sales Manager – West for Profile Products. He has more than 30 years of experience in the landscape and erosion control industries, with a background spanning market development, sales, marketing, operations, and management. A long-time Oregon resident, Damon now focuses on consulting for ECS projects and collaborating with distributors and contractors to deliver innovative reclamation and erosion control solutions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

# Conference Speakers

17

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Daniel Leonard   | Daniel Leonard, P.Eng., is a Vice President and senior marine structural engineer with Westmar Advisors. He has over 25 years of experience in waterfront and coastal infrastructure, with a growing focus on nature-based shoreline adaptation, coastal resilience, habitat enhancement, and collaborative projects with Indigenous communities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dave Jenkins     | Dave Jenkins worked in construction erosion control, habitat restoration, and contaminated site cleanups for over 30 years. In 2021, he retired after 22 years as the Port of Seattle's Erosion Control/Stormwater Engineer, where he managed compliance on all Port construction projects.<br><br>Prior to the Port, he was the WSDOT Statewide Erosion Control Coordinator, responsible for developing and implementing their first contractor erosion control certification program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| David Miekle     | David Miekle is the Vice President, Western Region for Milestone Environmental Contracting Inc., where he leads strategic growth and operations across Western Canada. With over 30 years of experience in the contracting industry, David has managed large-scale environmental projects involving remediation, water treatment, mine reclamation, and hazardous material abatement.<br><br>He brings deep knowledge of construction, safety, and industry best practices to every project. A key highlight of his career has been collaborating with First Nations partners to deliver meaningful socio-economic outcomes through project engagement.<br><br>David is passionate about developing practical, sustainable solutions and mentoring project teams to ensure safe and successful delivery. David has been serving on the Canadian Brownfields Network Board of Directors since 2023. Based in Langley, BC, David continues to drive innovation and excellence in environmental contracting. |
| Dustin Venhuizen | Dustin Venhuizen is an Applied Science Technologist (AScT) and Qualified Environmental Professional (QEP) with a decade of experience in environmental monitoring, auditing, and management across a broad range of sectors in Canada. He specializes in terrestrial and marine infrastructure projects, overseeing environmental compliance and implementing mitigation measures throughout all stages of project development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Eduardo Loos     | Eduardo Loos is Director of the Earth Observation and Spatial Data Analysis Division at Vertex Resource Group in Victoria, BC. With 20+ years in remote sensing, GIS, and environmental monitoring, he leads Vertex's application of Earth Observation to land reclamation, wellsite assessment, and habitat mapping. Eduardo is also an Adjunct Professor at the University of Victoria, where he shares his passion and expertise in Earth Observation, GIS, cartography, and statistics with undergraduate and graduate students. He spends his free time with his wife and three young kids and tries to impress them by playing some funky jazz tunes on his trumpet and piano.                                                                                                                                                                                                                                                                                                                      |
| Elena Ranyuk     | Elena Ranyuk is the CEO and co-founder of Flowlink Environmental, an innovative Coquitlam-based company that specializes in real-time effluent water quality monitoring and control solutions. Elena brings nearly a decade of experience in the construction water management sector, transitioning from roles as a water treatment contractor and consultant to her current position as an expert in real-time monitoring technology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| J.J. Breede      | With 30 years of experience in the construction industry, J.J. Breede, P. Eng. has a multidisciplinary background ranging from the precast concrete pipe industry to stormwater management & erosion/sediment control. His current responsibilities as Product Manager at Terrafix Geosynthetics Inc. include managing client relations both in public and private sectors, business development, providing technical expertise to consulting engineers and contractors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kelly Brignall   | Kelly Brignall, P.Eng. is a Design Manager with Kiewit's Infrastructure Engineering group. As a primary link between construction and engineering, he is responsible for building, leading and managing design teams on Design Build Projects. Kelly gets involved in all aspects of the project life cycle, from concept development, permitting, detailed design and services during construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

# Conference Speakers

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kelly Code      | Kelly Code is a Senior Biologist with Fisheries and Oceans Canada (DFO) within the Fish and Fish Habitat Protection Program, based in Ottawa, Ontario. In her current role, Kelly leads the development of risk-based tools for optimizing environmental outcomes of projects occurring in or near fish habitat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Kevin Banek     | Kevin Banek brings nearly two decades of tunnelling and major project experience to the Burrard-Chilco Partnership (BCP), representing EBC Inc.. A Vancouver native, Kevin began his construction career in 2006 on the Canada Line before moving on to landmark projects including the Seymour-Capilano Twin Tunnels and New York City's East Side Access. Today, he's proud to be contributing his expertise back home on Metro Vancouver's Stanley Park Water Supply Tunnel Project.                                                                                                                                                                                                                                                                                                                                                           |
| Kyle Paddon     | <p>Kyle Paddon is a Lead Environmental Manager in WSPs Langley office. He has over 20 years of experience in project management, environmental management, permitting, auditing and monitoring during planning and construction phases of major projects. He provides project management and coordination on major civil engineering projects with multi-disciplinary teams and has experience with legal and privileged assignments. Kyle has considerable experience related to evaluating contractors' compliance regarding regulatory approvals, permits, authorizations, and Environmental Management Plans.</p> <p>Kyle is a registered Environmental Professional (Environmental Management) with the Canadian Environmental Certification Approvals Board (CECAB) and is an accomplished nationally approved trainer with ECO Canada.</p> |
| Maria Parish    | <p>Ms. Parish, a planning ecologist at the Toronto Region Conservation Authority (TRCA) for over 20 years, has provided ecological review of development applications under the Conservation Authorities Act.</p> <p>Maria developed and continues to lead TRCA's ESC training, outlining how to interpret and apply the Erosion and Sediment Control Guideline for Urban Construction (STEP 2019) to agencies throughout Southern Ontario.</p>                                                                                                                                                                                                                                                                                                                                                                                                   |
| Michelle Bailey | Michelle (Marcotte) Bailey, MSc, RPBio, CESCL, is CEO of Sea to Sky Environmental. Working with Thomas Varley on the Surrey Langley sky train, her team, in partnership with səyem (Kwantlen First Nation), provides environmental monitoring for South Fraser Station Partners. She also supports contractors on projects including the Pattullo Bridge Replacement Project and Second Narrows Dredge Works Project.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Miranda Lewis   | Miranda Lewis, PAg, is an environmental professional with over 16 years of experience supporting infrastructure projects across British Columbia. She specializes in construction environmental management, erosion and sediment control, and water quality monitoring, translating field data and regulatory requirements into practical solutions that protect aquatic environments and improve project performance.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Nathan Polster  | Nathan Polster is the Owner of Polster Environmental Services, an ecological restoration firm dedicated to restoring disturbed landscapes through natural processes. He began learning soil bioengineering at age 13 from his late father, David Polster, and spent many years developing the practical, hands-on skills required to implement complex restoration projects. Nathan is deeply committed to continuing his father's legacy and sharing these practical restoration methods with a wider audience.                                                                                                                                                                                                                                                                                                                                  |
| Robin Ruddock   | Robin Ruddock is a sustainability professional specializing in environmental solutions for industry and infrastructure. With technical sales expertise spanning water treatment, stormwater filtration, dust control, erosion control, contaminated site remediation, and circular economy initiatives, Robin helps organizations implement practical, science-based technologies that improve environmental performance while supporting operational efficiency and long-term sustainability.                                                                                                                                                                                                                                                                                                                                                    |

# Conference Speakers

19

Conference Speakers

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ryan Preston   | Ryan is Principal of BlueLines Environmental Ltd. and an experienced and qualified environmental professional with a specialty in hillslope hydrology and watershed management. He is a former board member and vice president of ESCA BC. As a practicing CPESC supporting ESC planning, design, and monitoring, he was also member of the EGBC working group that developed erosion and sediment control professional practice guidelines. He also sits on the Fraser Basin Council and is Salmon Safe Certification committee member. |
| Steve Auger    | Steve Auger is a professional engineer, CPESC, and Senior Manager with TRCA's Sustainable Technologies Evaluation Program. His experience spans erosion and sediment control audits for major transportation projects, construction-site monitoring, BMP evaluation, LID implementation, and training, supported by more than two decades in water resources.                                                                                                                                                                            |
| Thomas Varley  | Thomas is Environmental Director-West for Pomerleau and the Environmental Manager on the Surrey Langley Skytrain Station Project stations scope. Thomas has worked in environmental management in construction for nearly 10 years on both the consulting side and the contractor side, with a focus on Environmental Management, Ecological Restoration, Fisheries Biology, and Vegetation Ecology.                                                                                                                                     |
| Tom Hicks      | Tom is the ESCA BC Board of Directors President and an R.P. Bio. And CPESC, with Trinity Consultants Canada. With 15+ years in environmental management, he is a project director and senior environmental management specialist, specializing in construction mitigation planning. He is a technical reviewer for EGBC, CAB, and BCIA's Professional Practice Guidelines in ESC.                                                                                                                                                        |
| Trent Hatfield | Trent Hatfield is an Environmental Technologist with the City of Surrey and has over 27 years of environmental experience. He developed Surrey's ESC Program and is a founding member of ESCABC, with extensive involvement in CAN-IECA and CSA standards development, helping advance practical and consistent ESC practices across Canada.                                                                                                                                                                                             |



**Real-Time Monitoring of Construction Site Effluents and Urban Streams:**  
Working Together to Protect the Water Quality of Our Watersheds

# ESCA BC Members and Profiles

The Erosion and Sediment Control Association of British Columbia (ESCA BC) has drawn together ESC practitioners since 2012. This year, we added two additional types of memberships to better reflect BC's ESC community, now with five memberships.



All ESCA BC individual members have an online profile, which should be updated regularly. Most of the profile information is for ESCA BC administrative use. However, some information is shared in our online member directory.

Make sure your ESCA BC online profile is up-to-date:

- Is your employer information correct?
- Have you included a professional and a personal email address?
- Do you have qualifications you want displayed in the public member directory?

[Log in from the ESCA BC homepage](#) to review and update your profile.

NOTE: Due to unexpected career shifts, we recommend having a secondary email on your profile. This makes profile updates easier when logging in after changes in employment.



is proud to be a sponsor of  
the 2026 ESCABC conference.



# 2026 Board of Directors

We appreciate the voluntary time and work of the 2026 Board of Directors. We wish the best of luck to those who cannot continue serving, and we look forward to welcoming new board members to contribute to the association's leadership.

## Executive

President: Tom Hicks  
Vice President: Ryan Wonnacott  
Secretary: Maria Lockstidt  
Treasurer: Terra Schott

## Members at Large

Trent Hatfield  
Karolina Kukulski  
Kyle Paddon  
Ammar Keykoni  
Alysha Parker  
Michelle Pask

We also acknowledge the work from and thank our 2026 Board Volunteers: Cynthia Jones, Danielle Samels, Tim Smiley, and Ashley Buksh.

## Get Involved!

Email us today to get involved in leading ESC in BC. From information sharing, to attending meetings, to planning events, and networking, volunteering with ESCA BC offers a variety of ways to make a difference. [info@escabc.com](mailto:info@escabc.com)



# Hatfield

*Effective design solutions and  
quality inspection services*

- Certified Professionals in Erosion and Sediment Control and BC Erosion and Sediment Control Leads
- Robust Erosion and Sediment Control Designs and Plans
- Inspecting, monitoring, and auditing control measures
- Verifying compliance with regulations and best practices



**604-926-3261**  
[www.hatfieldgroup.com](http://www.hatfieldgroup.com)

# Conference Recordings

All sessions from this year's conference are being recorded, including Chad Norman Day's keynote address and the two plenary panels of speakers.

**Near the end of November, all conference attendees will receive an email with access to the 'virtual conference,' where the recordings will be uploaded.**

Conference recordings will be available for at least six months, and they are an excellent way to revisit sessions you enjoyed as well as catch ones you missed. For colleagues who could not attend the conference, recording access passes will go on sale in the middle of November. They can be purchased on our website.

## Recording Access

- Free for 2026 conference attendees
- \$50 for ESCA BC members
- \$100 non-members

NOTE: When possible, presenter slides will be available for download. Please respect that slide decks remain the intellectual property of the presenter. Do not re-use or share the slides or their content without the permission of the presenter.

## Environmental Services



## Work With Our Unique Team of Professionals

- Core Environmental Services
- Engagement & Support
- Professional Expertise & Certifications
- Value-Added Capabilities
- Environmental Stewardship & Sustainability

### SERVICE LINES:

- Environmental Services
- Reforestation
- Integrated Vegetation Management
- Urban Forestry
- Forest Management
- Geographic Information Systems (GIS)

**WHO WE ARE** Spectrum Resource Group is a leading environmental services and integrated vegetation management provider delivering sustainable land management solutions across Canada. We serve federal, provincial, regional, local and Indigenous governments, as well as clients in the forestry, energy, mining, petroleum, transportation, and utility sectors.



srgi.ca | 250.564.0383 |

**SCAN THE QR CODE TO LEARN MORE**

# Field Training Days are Coming!

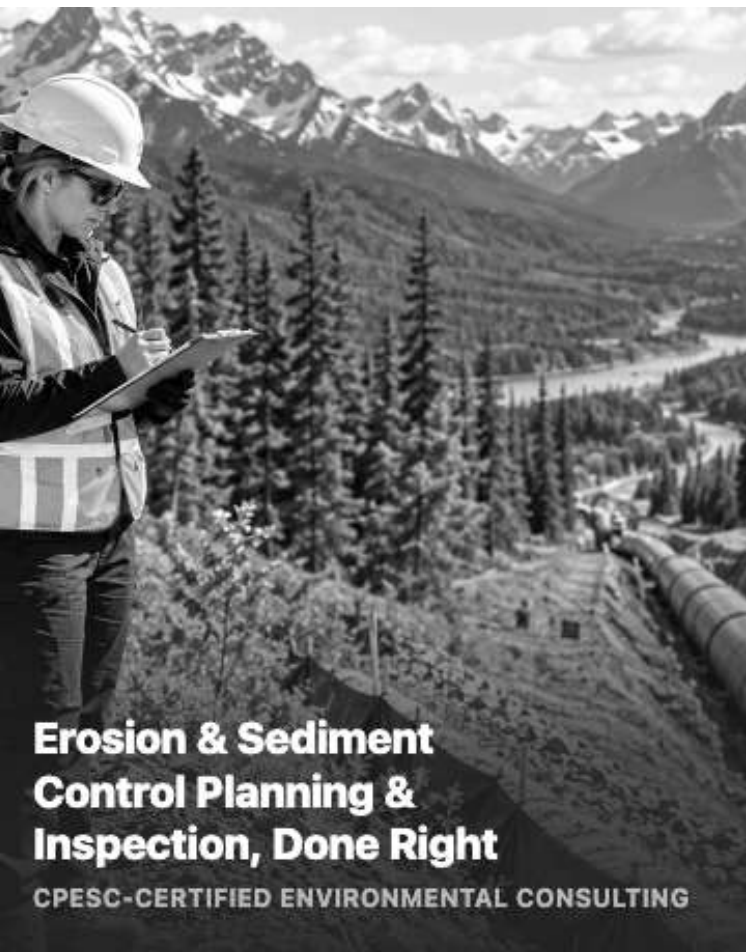
23

Field Training Days

To improve how effectively erosion and sediment control is practiced in BC, we will be hosting ESC Field Training Days in 2027. These will be free or almost-free days for ESCA BC members to learn directly from ESC suppliers.

Free transportation will bring attendees to and from sites, where companies like Denbow and White Cap Canada will demonstrate BMP installation and maintenance. These Field Training Days will highlight the best practices for installation, details to pay careful attention to, especially during maintenance, and recommendations for removal from site.

Information about the Field Training Days and registration will be announced on our website, via email to our members, and on LinkedIn. While the initial Field Training Days will happen in the BC Lower Mainland, we look forward to expanding the program to other parts of the province.



## SERVICES



ECO & Erosion and  
Sediment Control Plan  
Development



Wetland Assessments



Fish & Wildlife Habitat  
Protection



Environmental  
Inspection



Water Quality & Spill  
Response Planning



Pipeline Construction  
Regulatory Support



Environmental  
Monitoring



Regulatory  
Compliance &  
Permitting

Let's talk about your next project.

mpask@ketaenv.com 780-999-6294

# Annual Lunch 'n' Learn Series

Keep your eyes on your email, our homepage, and LinkedIn for information about the 2027 Lunch 'n' Learn series. We look forward to launching early in the New Year, with a wonderful collection of monthly lunchtime webinars that bring ESC learning directly to wherever you are. Email us to be added to the notification list.

- Free for ESCA BC professional members
- \$10 for non-members

We thank our 2026 Lunch 'n' Learns presenters:

Dani Miller

John Gowans & Michelle McEachern

Robin Ruddock

Roark Lewis

Kyla Wood & Brian Free

Damon Sump

Registration is open for two remaining 2026 Lunch 'n' Learns:

- **November 4** – James Kay: [KISS RESC - Keep It Simple Sites! Runoff, Erosion & Sediment Control Compliance is Binary: How We Get There is Fluid](#)
- **December 9** – Michelle Pask: [AI-assisted Erosion and Sediment Control Planning - Practical AI Use for ESC/TESCP Drafting and Quality Assurance](#)

Would you or your company like to deliver a Lunch 'n' Learn? Share so others can learn from your experiences and insights, or teach the industry how best to use your company's products and/or services. Contact us with a session title and description, and our Training Committee will coordinate with you.

[info@escabc.com](mailto:info@escabc.com)

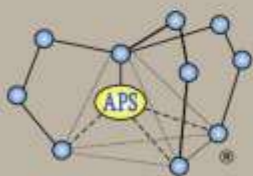
Clean stormwater runoff supports healthy waterways which are part of our vision for a **thriving, green, inclusive city**. As our neighbourhoods grow, it's everyone's responsibility to prevent construction related sediment from harming our local waterways. Learn how Surrey is promoting sustainable development through our mandatory Erosion and Sediment Control practices.

[surrey.ca/esc](https://surrey.ca/esc)

# MUDDY WATER?

# FLOC IT!

Water Treatment  
Erosion Control  
Sediment Control  
Dust Suppression



APPLIED POLYMER  
SYSTEMS, INC.  
[WWW.APSFLOC.COM](http://WWW.APSFLOC.COM)

[info@apsfloc.com](mailto:info@apsfloc.com)  
678-494-5998

**FLOC  
LOG**  
700 SERIES LOGS

**POND  
CLEAR**  
*PLUS*

**SILT  
STOP**  
700 SERIES POWDERS

**EROSION  
STOP**  


# Updating ESCA BC's Purpose

The ESCA BC Board of Directors is asking all members to vote at this year's AGM to update our association's purpose. Since ESCA BC was incorporated in 2012, the province's professional regulatory landscape has changed. Changes to the British Columbia Professional Governance Act (PGA) mean ESCA BC is not a professional regulatory body.

To reduce confusion and more accurately reflect our current purpose and mission, ESCA BC wants to remove all references to 'qualifying' and 'registering' 'ESC professionals' from our registered association purpose. ESCA BC also wants to acknowledge First Nations' increasing role as environmental regulators, so we have added them to the list of regulators.

To this end, the 2026 Board of Directors is asking the ESCA BC membership to approve an updated association purpose (with key changes underlined):

The Purposes of the ESCABC is to:

- Educate and certify ESC practitioners;
- Promote the inclusion of ESC standards in local, provincial, Indigenous, and federal rules, regulations, procedures and laws
- Develop and share educational programs and resources to promote the ESC field
- Create, maintain and update a directory of ESC practitioners in British Columbia; and
- Do all such other things as are incidental and ancillary to the attainment of the forgoing purposes and the exercise of the powers of ESCA BC.

Join us in the Main Ballroom for the Annual General Meeting (AGM) on Thursday. The AGM is immediately after the conference, and all ESCA BC members are encouraged to attend and vote on updating our purpose.



ESCA BC uses education to raise the standard of erosion and sediment control throughout the province, and one of our newest programs makes this education more accessible for Indigenous people and First Nations employees.

Over the last few years, we have watched as First Nations take on regulatory roles on projects, and Indigenous people increasingly are hired for key project roles, such as providers of traditional knowledge and daily project monitoring. We support these changes and want to empower First Nations and Indigenous people by expanding their understanding of erosion and sediment control.

For this reason, our Indigenous ESC Training Program offers grants to employees of First Nations and Indigenous people to take the BC CESCL course at greatly reduced rates. First Nations and Indigenous individuals are strongly encouraged to request grants for any upcoming online BC CESCL course delivery. We hold 10 Indigenous ESC Training Program spots available in every online BC CESCL course

Contact us to apply for the grant or get more information: [info@escabc.com](mailto:info@escabc.com)

# GO GREEN WITH GFL



## WATER SOLUTIONS FOR A GREENER TOMORROW.

At GFL Environmental, we understand the importance of keeping our environment clean and green. We offer:

- ✓ Construction, industrial and environmental water-treatment solutions
- ✓ Onsite wastewater treatment solutions
- ✓ Vacuum truck services

Alongside a fully equipped fleet, our personnel are qualified to provide a wide range of temporary water treatment services.

For more information, contact us at **800.755.6621**.

# BC CESCL

The BC CESCL course is a two-day concentrated dive into erosion and sediment control site practices and management. It covers the impacts and processes of erosion and sedimentation, along with the factors that accelerate or slow them. The course covers ESC in the wide range of contexts that exist in British Columbia, from urban construction, to rural utilidors, and to northern projects affected by freeze-thaw and permafrost.

It largely focused on ESC knowledge needed by site personnel, from inspectors to contractors to site superintendents, who wish to demonstrate understanding and commitment to effective ESC on their sites. The BC CESCL does not qualify someone to become an ESC plan designer or Qualified Environmental Professional (QEP) under BC's Professional Governance Act.

We congratulate the hundreds of ESC practitioners who completed the BC CESCL or BC CESL recertification course so far this year. There is one final delivery for 2026, and we look forward to four course deliveries in 2027.

- [November 23-24, 2026 BC CESCL REGISTER NOW](#)

## 2027 Course Dates

- BC CESCL Recertification March 3, 2027 (Registration will open in November)
- BC CESCL March 4 - 5, 2027 (Registration will open in November)
- BC CESCL May 12 - 13, 2027 (Registration will open in February)
- BC CESCL September, dates TBA
- BC CESCL Recertification September, dates TBA
- BC CESCL November, dates TBA



Andrew Potts  
604.679.0995  
[apotts@vertex.ca](mailto:apotts@vertex.ca)

Since 1962, Vertex has been a leading North American provider of environmental and industrial services. With over 50 years of expertise, Vertex helps clients achieve their development goals through our versatile suite of services. From the initial site selection, consultation and regulatory approval, through the construction, operation and maintenance phases, to conclusion and environmental cleanup, Vertex offers a diverse range of services throughout the life cycle of our clients' projects.

Vertex serves clients in the oil and gas, oilsands, petrochemical, renewable energy, utilities, agriculture, forestry, drilling, midstream, mining, aggregate and municipal sectors.

## HIGHLIGHTED SERVICES

- Erosion and Sediment Control
- Hydrotechnical Engineering
- In-House Drilling Services
- Laboratory Services
- Geophysical Investigation
- Mainline Geotechnical Investigation
- Forestry Road Prescriptions & Deactivation
- Site Reconnaissance and Geological Mapping
- Terrain Mapping and Terrain Stability Assessment
- Trenchless Geotechnical Feasibility Assessment
- Installation of Instrumentation (Settlement/Displacement or Slope Stability Monitoring & Modeling)
- Facility Foundation Investigations & Recommendations
- Identification, Assessment and Reporting
- Metal Leaching and Acid Rock Drainage Potential Assessment



Scan to visit the CCI website.

[www.ccisolutions.ca](http://www.ccisolutions.ca) PH: 1.403.932.0560 Email: [info@ccisolutions.ca](mailto:info@ccisolutions.ca)

**Highlighted CCI Services:** Construction Management, Environmental Services, Geotechnical Engineering, HDD Services & Tools, Pipeline & Facilities Engineering, Shore Approach Engineering, Archaeology, Regulatory, Trenchless Design

**Office Locations: Canada:** Fort Nelson, Fort St. John, Kimberley, Prince George, & Vancouver, BC · Calgary, Cochrane, Edmonton, & Spruce Grove, AB **USA:** Hockley & Houston, TX · New Iberia, LA · St. Louis, MO

# EXPERTISE WORKS HERE



## OUR STORY

With one of the largest groups of erosion and sediment control (ESC) staff in Western Canada, including CPESCs, CISECs, and BC - CESCL trained staff, as well as engineers, biologists, and agrologists, Kintera provides a one-stop shop for all your erosion and sediment control needs. Kintera, formerly known as DWB/Chartwell, is a multi-disciplinary consulting firm specializing in services and solutions for the resource sector. Kintera has a close-knit team, a diverse client base and a reputation for outstanding quality and service. Our 13 BC offices are located from Vancouver to Cranbrook to Fort St John to Terrace. Our Alberta offices are located in Edmonton, Calgary, and Redcliff.

## LEAVE IT BETTER

Our purpose is what sets us apart and brings us together. Masters in many disciplines, we thoughtfully plan and execute projects in everything from field and forest to watersheds and wetlands.

