



BCRPA Parks Spring Training 2016 February 17th – 18th 2016 (Pre/ Post Event: February 16th & 19th) Communications – Program Guide

At a Glance

Day One – Maintenance Day (Feb 17)

Streams: Unique Park Applications, Facilities, Operations, All

- 7:15 – 8 am *Registration Check-In & Refreshments*
- 8 – 8:15 am *Opening Remarks*
- 8:15 – 9:15am *Opening Keynote: **The Trails Strategy for BC- A Collaborative Multi-Jurisdictional Approach to Recreation Trails** – John Hawkings*
- 9:15 – 9:30am *Transition Break and Trade Show*
- 9:30 – 10:30am Concurrent Sessions A
- A1: ***Bike Parks: Design/Build Strategies, Management and Best Practices**– Jay Meneely and Judd De Vall*
- A2: ***Community Showcase: Refurbishing Site Amenities** – Len Walters, Geoff Mallory and Troy Wilson*
- A3: ***Do Detention Ponds Really Need to Look Engineered?** - Scott Watson*
- 10:30 – 10:45 am *Nutrition Break and Trade Show*
- 10:45 – 11:45 am Concurrent Sessions B
- B1: ***Grey Infrastructure versus Green Infrastructure. The Maintenance Paradox for Green Infrastructure** – Michael James and Alex Kurnicki*
- B2: ***Volunteerism and Stewardship** – Alanna Carmichael and Shawn Gurney*
- B3: ***Dog Waste Diversion in Regional Parks** –Seann Greenwood and Karen Storry*
- 11:45 am – 1 pm Buffet Lunch and Tradeshow
- 1 pm – 2 pm Concurrent Sessions C
- C1: ***Fundamentals in Design and Management of Engaging Play Spaces** – Adventure Playgrounds and Nature Play – Travis Martin*
- C2: ***Hot Topics in Maintenance** – Todd Gross and James Arden*
- C3: ***Progressive Discipline in the Workplace** –Dean Crawford*
- 2 pm – 2:15pm Nutrition Break and Trade Show
- 2:15 pm – 3:15pm ***Dealing with Difficult People** – Brenda Robinson*
- 3:15 – 3:30pm *Closing Remarks & Prize Draw*

Day Two – Horticulture Day (Feb 18)

Streams: Environmental, Arboriculture, Horticulture, All

- 7:15 – 8 am *Registration Check-In & Refreshments*
- 8 – 8:15am *Opening Remarks*
- 8:15 – 9:15 am *Opening Keynote: **The Bees Needs: Planting for Pollinators** – Dr. Elizabeth Elle*
- 9:15 – 9:30 am *Transition Break and Trade Show*
- 9:30 – 10:30 am Concurrent Sessions D

D1:	<i>Catching people doing bad things to good trees - Steve Whitten</i>
D2:	<i>Outdoor Arborist Panel: Street Trees Surviving the Summer Drought – Rob Reny, Trisha McCarthy, Sophie Dessureault</i>
D3:	<i>European Chafer: Updates and Approaches – Tracy Hueppelsheuser and Peter Isaacson</i>
10:30 – 10:45 am	<u>Nutrition Break and Trade Show</u>
10:45 – 11:45 am	<u>Concurrent Sessions E</u>
E1:	<i>Knot What We Thought: Hybridization changes the nature of the invasive knotweed battle – Jennifer Grenz</i>
E2:	<i>Tree Worker Preservation through Prevention – Dwayne Neustaeter</i>
E3:	<i>Carbon Offsets Using Trees – Robin Clark</i>
11:45 am – 1 pm	<u>Buffet Lunch and Tradeshow</u>
1 – 2 pm	<u>Concurrent Sessions F</u>
F1:	<i>Community Engagement for Park Development and Environmental Issues – Nadia Chan</i>
F2:	<i>Building a Better Forest- Vision, Communication and Principles – Ken Snowden</i>
F3:	<i>Growing Turnips, not Tulips: Collaborating with organizations to create community engaged food growing space - Leslie Topness, Holly Rooke, Emma Sweeney</i>
2 – 2:15 pm	<u>Nutrition Break and Trade Show</u>
2:15 – 3:15 pm	Closing Keynote: <i>The Best Trees for Pollution Removal – Dr. David Nowak</i>
3:15 – 3:30 pm	Closing Remarks, Prizes

Pre-Workshop Session - February 16th, 2016

Facilitator: Tim Richards and Chris Revitt

Stream: *Facilities*

Time: 8:30am – 4 pm

Location: Douglas Recreation Center 20550 Douglas Crescent, Langley, BC V3A 4B3

Title: BCRPA Playground Safety Awareness Course

Description:

A hands-on overview on playground safety and current issues being faced today. This is a cost effective, accessible and informative program for those who need an introductory course on safety awareness and CSA standards.

Participants are **Staff:** grounds maintenance, recreation, childcare. **Planners & Designers:** architects, landscape architects, technicians. **Facility owners:** family entertainment, schools, restaurants, churches. **Mangers, Directors, Risk Managers** and all individuals interested and involved in injury prevention in playspaces.

Cost Effective, Accessible and Informative program for those who need an introductory course on Safety Awareness and CSA Standards. **All participants will be provided a New Workbook (Sept. 2015 ed.)**

Presenter Biography:

Tim Richards is a Parks & Recreation consultant providing information and services with a specialty in educational

sessions and information concerning playground safety and the Canadian Playground Standard.

Chris Revitt has worked in the City of Burnaby's, Parks and Recreation Department for the past 20 years. Chris holds a Canadian Playground Inspector Certificate and has extensive knowledge in building, repairing, maintaining and inspecting playgrounds.

Maintenance Day – February 17th, 2016

Key Note: *John Hawkings*

Stream: *All*

Time: 8:15-9:15am

Title: *The Trails Strategy for BC- A Collaborative Multi-Jurisdictional Approach to Recreation Trails*

Description: The Trails Strategy for British Columbia presents a collaborative, multi-jurisdictional approach to developing and managing a world-renowned network of recreation trails. Increasingly communities are being asked by their residents to provide a wholistic approach to development and management of a multi-use network of trails. This means municipalities, regional governments and the province have an opportunity to collaborate and provide exceptional recreation opportunities.

Bio: John Hawkings is Director of the Recreation, Sites and Trails Branch of the Ministry of Forests, Lands and Natural Resource Operations. Prior to joining the Ministry as the Trails Manager in 2007, John spent much of the previous 15 years involved in forest-based recreation planning and implementation throughout the Sea to Sky Corridor in both the public and private sector. John completed a B.Sc. in biology from the University of Victoria in 1998 and holds a diploma in outdoor recreation from Mount Royal College in Calgary. An avid mountain biker, hiker, skier and all around outdoor enthusiast, when not at work John tries to spend as much time as he can enjoying the trails and endless recreation opportunities in Squamish BC.

A1. 9:30am – 10:30am

Stream: Unique Park Applications

Presenter: *Jay Meneely and Judd de Vall*

Title: *Bike Parks: Design/Build Strategies, Management and Best Practices*

Description:

There are times when keen members of the public see an under-utilized piece of public land as an opportunity to realize their vision for something more. Some opt to ask permission before putting shovels in the ground while others forge the future they desire in secrecy. With thousands of acres of natural area parks, often where sensitive habitats have been identified and protected, unsanctioned trail building in Surrey is a significant and ongoing challenge. In the case of Invergarry Park near the Port Mann Bridge, the trail builders responsible were persuaded to open a dialogue with Surrey Staff. The partnership that formed through reaching out is now the benchmark of how Surrey Staff approach all rogue bike activities in natural areas. This session will review the milestones along the multi-year road to legitimacy for what has become a spectacular downhill and cross-country bike facility through a densely forested ravine habitat.

Bike specific facilities are an attractive way for communities to maximize fun for cyclists of all ages and abilities. Creating a facility that offers a diverse product that caters to a wide audience, and one that satisfies the preferences, wants and

needs of its users, guarantees the success of a Bike Park. Additionally, progression is an intrinsic part of Bike Park design and management, incorporating success by implementing effective programming (camps), maintenance schedules, volunteer integration, and budgeted upgrade intervals.

Presenter Biography:

Judd de Vall has honed his expertise in facilitating mountain bike developments through a decade of projects. While working for the International Mountain Bicycling Association (IMBA), he interfaced with grassroots mountain bike associations and local decision makers across the USA, Canada, Europe, and Latin America. Following a 4 year tour on the World Cup circuit, de Vall returned to the development of progressive cycling projects including many of North America's leading municipal bike park facilities. Judd is intimately involved in envisioning, design, and construction of complex and trendsetting municipal facilities. His work includes key responsibilities such as the employment and leadership of the construction team; securing construction financing, bonding, and insurance; and managing the implementation and quality control of the site's bicycle amenities.

Jay has worked with the City of Surrey for the past five years in the Parks Planning and Design Section of the Parks Division. Jay's work at the City includes detailed design and construction management of a variety of park amenities. He received his education through UBC, Emily Carr, and Utah State University. Before joining the City of Surrey, Jay worked for four years in a private firm in the Vancouver area.

A2. 9:30am-10:30am

Stream: Facilities

Presenter: ***Geoff Mallory, Len Walters, and Troy Wilson***

Title: ***Community Showcase: Refurbishing site amenities***

Description: Take a tour of Douglas Park to learn about three upgrades to existing facilities – playground protective surface, spray-park surfacing and ball hockey sports box.

Presenter Biography: **TBA**

A3. 9:30am-10:30am

Stream: Operations

Title: ***Do Detention Ponds Really Need to Look Engineered?***

Presenter: ***Scott Watson***

Description: Detention ponds do not need to look engineered to be functional. As part of an integral storm water management system detention ponds are sometimes the necessary evil. Abbotsford currently has a number of ways of dealing with detention on public lands and some are not as successful as others when viewed or considered for providing additional opportunities.

Presenter Biography: Registered Landscape Architect working as the Park Planner/Designer for the City of Abbotsford. Experience in working with government agencies and private developers in providing beneficial storm water management systems.

B1. 10:45am-11:45am

Stream: Unique Park Applications

Title: Grey Infrastructure vs. Green Infrastructure. The Maintenance Paradox for Green Infrastructure

Presenter: Michael James and Alex Kurnicki

Description:

Through the use of Case Studies we will look at the difference in Capital Costs between Grey Infrastructure and Green Infrastructure projects. We will also compare the difference in maintenance costs and investigate why Green Infrastructure maintenance costs are a special case.

As cities densify, we ask trees to do more with less space. Not only do they beautify our streets and clean our air, but they provide habitat, cool the atmosphere and provide structure to our street design. And on top of that, in our moist Pacific Northwest climate, we ask trees to manage storm water as well. Soil cell technologies offer municipalities a tool to help our street trees to do all of that and more. In this presentation, we'll offer an overview of current trends in soil cell technologies as well as a review of recent installations in the City of North Vancouver.

Presenter Biography:

Michael James is the General Manager of DeepRoot Canada Corp. Mike has been in the municipal street tree / Stormwater industry for over 25 years and has worked extensively with landscape architects, municipalities, engineers, and landscape contractors to provide solutions for the health of the Urban Forest and Low Impact Development techniques. Michael has a Degree in Public Administration and Business Management

Alex Kurnicki is a Streetscape Planner with the City of North Vancouver. After earning his Horticulture Diploma from what was then Capilano College, he went on to earn a Bachelor's of Landscape Architecture at the University of British Columbia. While going to school, he worked summers with the Vancouver Park Board including two years arboriculture and three at Van Dusen Gardens as a gardener. Later, while in New York City, he earned a Masters in Urban Planning. Since 2009, he has worked for the City of North Vancouver with a great group of staff to implement a capital street tree planting program as well as coordinating street tree plantings as part of the City's current phase of vigorous development. Alex has previously presented to the BCRPA about the Loutet Urban Farm.

His favourite tree is the Ginkgo he helped escape from New York in a zip-lock bag. It is now gracing his front yard. His other favourite tree is the 'Alexander's Oak' down on Beach Street overlooking English Bay.

B2. 10:45am-11:45am

Stream: Facilities

Title: Volunteerism and Stewardship

Presenter: Alanna Carmichael and Shawn Gurney

Description: The City of Abbotsford is growing its volunteer programs at a rapid pace and your community could do the same. As employees within a municipal setting we're constantly asked to do more with less as budgets grow smaller or remain stagnant. Volunteers can help you achieve this goal by improving your day-to-day operations with low costs resulting in big returns. This workshop will examine volunteer possibilities and supporting documents required for successful programming. We will analyze current partnerships within our community and will challenge you to rethink volunteerism for use in your day-to-day operations.

Presenter Biography: Alanna Carmichael

Alanna has a passion for volunteer management, community development and education. She's currently the Volunteer Coordinator for the City of Abbotsford and has over 10 years' experience working in park operations and community development roles within municipal governments. Alanna has two bachelor's degrees, one with a focus in Kinesiology

and History with the second in Education. Her passion for this field extends to her most recent volunteer role as a Member at Large on the Ridge Meadows Leisure Services Commission from 2012-2014. She is a tremendous supporter of environmental education and community volunteering both as a career and within her personal life.

Shawn Gurney

Shawn has been working alongside volunteers for more than 15 years within Natural Areas and Trail management. He's currently the Trades II Natural Areas Supervisor for the City of Abbotsford. Shawn holds a Diploma in Fish and Wildlife Technician from BCIT and certificates as an ISA Arborist and ISA Tree Risk Assessor. Skeptical of the value versus investment with volunteers in his early days, he soon saw the irreplaceable benefits of volunteers and now embraces them as a critical component in the management of these valuable assets.

B3. 10:45am-11:45am

Stream: Operations

Title: ***Dog Waste Diversion in Regional Parks***

Presenter: ***Seann Greenwood and Karen Storry***

Description: Thousands of dogs visit Metro Vancouver Regional Parks every year leaving behind tonnes of poop. Responsible dog owners bag the excrement and deposit it in waste bins. Although this is better than littering parks and trails, dog waste in our landfills presents a host of problems as well. Metro Vancouver Regional Parks has been collaborating with Metro Vancouver Solid Waste Services to divert bagged dog waste from the landfill. In 2015, 30 tonnes of dog waste was collected from four regional parks and diverted from the waste stream. Come and find out how they did it.

Presenter Biography: Karen Storry, P.Eng.

Karen started the first five years of her career in heavy civil concrete construction. In 2010 she started at Metro Vancouver as a member of the EIT program where she gained experience in all water, liquid waste, and solid waste. During her rotation in solid waste planning, Karen discovered her passion of rethinking waste and officially joined the Zero Waste Implementation team in 2012. Currently her work includes acting as the technical secretariat for the National Zero Waste Council Circular Economy Working Group, developing end markets for recycling, and increasing recycling in the multi-family and commercial sectors. Karen strongly believes in giving back to her community and is currently the Leadership Mentor for the Metro Vancouver Construction Team, SWANA Pacific Chapter International Board Rep, the SWANA Region 2 Young Professionals Rep, and an APEGBC mentor.

Seann Greenwood

Seann Greenwood is passionate about the outdoors and the preservation of natural spaces. Since 2005, he has been the Operations Technician for West Area at Metro Vancouver Regional Parks. He is responsible for area-wide or system-wide initiatives that support park operations. He has a particular interest in sustainability endeavours and took a lead role in public place waste diversion for Regional Parks.

C1. 1:00pm – 2:00pm

Stream: Unique Park Applications

Title: **Fundamentals in Design and Management of Engaging Play Spaces: Adventure Playgrounds and Nature Play**

Presenter: Travis Martin, Landscape Designer and Playspace Specialist, van der Zalm + associates

Description:

Free-range childhood is a thing of the past, and the results have led to two extremes: sedentary and/or over-scheduled children. The loss of unstructured outdoor exploration has reduced children's opportunity for motor skill development, invention and imaginative play. Play is serious business! Let's get kids back outside and taking charge of their fun! The adventure playground seeks to compete with the iPad by providing an inclusive space that inspires movement, daring, imaginative games and creative projects. These spaces are not 'off-the-shelf' and require designers to understand many different types of play, age group needs, and how to mix nature and the built environment. This session will help city leaders, parks designers and operations staff understand the unique considerations for the visioning, design and implementation of adventure and nature play spaces.

Presenter Biography: **TBA**

C2. 1:00-2:00pm

Stream: Facilities

Title: ***Hot Topics in Maintenance***

Presenters : ***Todd Gross and James Arden***

Description: This is a facilitated session covering the major hot issues the parks maintenance sector. BCRPA will contact you in advance to get your input into topics

Presenter Biography:

James Arden is the Director, Park Services in the Parks, Recreation and Culture Department in City of Abbotsford. James has 30 years of experience in the municipal setting in Parks and Recreation and has started his career as a parks laborer and has a strong background in facilities and project management.

Todd Gross is currently the Manager of Parks Services with the City of Port Coquitlam. He has an extensive background in public and private sector parks management, urban forestry, horticulture, trails, facilities and project management. Todd is currently working on his Masters in leadership and possesses a diploma in Biological Sciences, Landscape Horticulture, a certificate in Local Government Administration (Capilano University) and is a certified arborist and landscape inspector. In addition, he holds certifications from the National Recreation and Parks Association Directors and Resource Management programs.

C3. 1:00-2:00pm

Stream: Operations

Title ***Progressive Discipline in the Workplace***

Presenter: ***Dean Crawford***

Description: In this interactive session, Dean Crawford, Q.C., of Coutts Pulver Crawford, will review the "do's" and "don'ts" of utilizing progressive discipline in respect of employees under their supervision or management. Participants will learn about the rationale for using progressive discipline and guidelines for using appropriate levels of discipline. A series of engaging, interactive sessions entitled "You be the judge" will enable participants to provide their own views on particular real-life fact patterns.

Presenter Biography Dean Crawford is a partner at Coutts Pulver Crawford LLP. He practices in the area of labour and employment law, including employment litigation, human rights proceedings, labour relations, workers compensation and employment standards.

Dean works closely with employers and employees on preventative steps to resolve workplace issues quickly and efficiently. He also represents clients in litigation and has considerable experience acting for both employers and employees before the B.C. Court of Appeal, the B.C. Supreme Court, the B.C. Human Rights Tribunal, WorkSafe BC and labour arbitrators.

Dean is frequently called upon to advise clients on executive employment agreements and has considerable experience in drafting such agreements. He has negotiated agreements for large organization and was the lead advisor to the Midwives Association of British Columbia in respect of a breakthrough agreement reached with the Government of B.C. in 2014.

He writes frequently on the topic of non-compete and non-solicit agreements and competition by former employees at his blog: www.competingemployee.com. He was a contributing author to the Canada chapter of Restrictive Covenants and Trade Secrets in Employment Law: An International Survey (American Bar Association, 2010).

He has previously taught employment law at the University of Victoria law school and has spoken at conferences on employment law on several occasions.

Prior to joining Coutts Pulver Crawford, Dean was the head of the employment law group in the Vancouver office of a prominent national law firm.

A former political assistant to Canada's Minister of Justice and Minister of Health, Dean also carries out a practice in the area of government relations and public policy. He provides strategic advice to clients on their interaction with government and analysis of the impact of proposed government initiatives.

Dean's clients have included some of the largest global retailers, hotels, transportation and pharmaceutical companies, many mid-sized and small businesses, as well as senior executives, managers and professionals.

Dean has held several positions with the Canadian Bar Association and is a Past President of the CBA's British Columbia Branch. He was appointed Queen's Counsel in 2014.

Closing Plenary: 2:15-3:15pm

Stream: All

Title: ***Dealing with Difficult People***

Presenters: ***Brenda Robinson***

Description:

Take a practical look at improving your skills and your attitude with difficult people. Enhance your ability to deal with difficult people with techniques such as: fogging, tentative agreements, giving space, buying time, pertinent, positive questioning, empathy, moving ahead, ending stalemates and turning the cards in your favor. Discover the power of action vs. reaction, workable compromise, balancing control, key word emphasis and trigger word power.

Presenters Biography:

Brenda is a speaker, trainer, writer and consultant. She has been addressing groups for over twenty years on topics related to communications, humour, laughter, positive working skills and wellness in general.

Brenda received her Bachelor of Arts from Brandon University in Brandon, Manitoba (Major in English) and her Masters of

Education from Simon Fraser University in Burnaby, B.C. in 1998

Horticulture Day –FEBRUARY 18th, 2016

Opening Plenary: 8:15am-9:15am

Presenter: ***Elizabeth Elle, PhD***

Description:

You've heard that pollinators are declining, but have you considered what to do about it? For the 450+ species of wild bees and countless fly, wasp, beetle, and butterfly pollinators of BC, the most important conservation action is planting pollinator-friendly plants. Whether in habitat restorations or in more formal gardens, flowers mean food, and if you plant them, the pollinators will come.

In this presentation you'll hear about the diversity of pollinators in BC, learn about flower traits that indicate a plant is likely to support pollinators, and get some suggestions for good choices for restorations or other plantings. Recommendations of attractive garden plants, wild plants for Coastal Douglas Fir, Coastal Western Hemlock, and Bunchgrass/Ponderosa Pine ecosystems will be made, and the general rules about flower types will be relevant to other native plant species and ecosystems.

Presenters Biography:

Elizabeth Elle is Professor and Chair of Biological Sciences at Simon Fraser University. She has been studying pollination for over 20 years, most of that time in different environments in BC. Her current focus is on how human-modified ecosystems (parks, agriculture) can support pollinators and pollination services.

D1. 9:30am-10:30am

Stream: Environmental

Title: ***Catching people doing bad things to good trees***

Presenter: ***Steve Whitten***

Description:

This presentation will be on the procedures and results of investigating the damage done by developers, builders and home owners on trees in the City of Surrey. These trees are all on private property and other items discussed will be the difficulties of dealing with the public on their property and enforcing the City's regulations.

Presenters Biography:

Steve Whitten is the Manager of the Surrey Tree and Landscape section for the City of Surrey for 7 years. He has over 35 years experience in the Landscape/Horticulture/Arboriculture industries. Steve is Trade Certified and a Certified Arborist. Working for the City of Surrey for 17 years, he has also worked 10 years in the Surrey Parks Development Services and worked in the design and construction on many parks and projects throughout the City. In his current roll he oversees the implementation of the Surrey private property tree protection bylaw. His staff of 8 people look after the trees on private property of a city of 500,000 people.

D2. 9:30am-10:30am

Stream: Arboriculture

Title: ***Outdoor Arborist Panel: Street Trees Surviving the Summer Drought***

Presenter: **Rob Reny, Trish McCarthy, Sophie Dessureault**

Description:

Strategies for keeping our street trees alive during extended period of drought will be explored including the pros and cons for each method. We will also review the methodologies used during 2015 to help plan for 2016 and beyond.

- Develop a unit cost for watering City trees
- Formulate a tree watering budget
- Discuss different methods of tree watering
- Discuss challenges during extended periods of drought

Discuss the watering schedule and mortality suffered by our street trees

Look at using alternate water sources for watering trees and other plantings

Planning for summer 2016 - what will we do differently?

A review of the watering program for the City of Vancouver street trees and plans for the future.

- Discuss the pros and cons to different methods of keeping our street tree inventory alive through a drought

Presenters Biography:

Rob Reny is the Urban Forestry Coordinator for the City of Surrey. He has been responsible for the delivery of the Specimen Tree Operational and Capital Programs since 2004. After graduating from Kemptville University College, he has worked in the field of Arboriculture for over 25 years in both the private and public sectors.

Trisha McCarthy is the Supervisor of Horticulture at the District of North Vancouver. She has 30 years of experience working in municipalities. Trish is an accredited organic land care practitioner and Garden Designer and teacher.

Sophie Dessureault is the Integrated Pest Management Coordinator for City of Vancouver Parks for 18 years. Specialized in urban insect, weed and disease management. Responsible for developing and implementing the City's various pest management programs.

D3. 9:30am-10:30am

Stream: Horticulture

Title: ***European Chafer: Updates and Approaches***

Presenter: **Tracy Hueppelsheuser and Peter Isaacson**

Description:

Hear a review of pest biology, basic pest management approaches and learn about pest prevention and management. Focus will be on residential turf and non chemical management practices including cultural and biological controls. Participants will learn how to Identify European chafer and where it is in the Lower Mainland, the best management practices for reducing the impact of chafer grubs and walk away with a better understanding of the European chafer life cycle and how it relates to control.

Presenters Biography:

Entomologist, Plant and Animal Health Branch British Columbia Ministry of Agriculture Abbotsford, British Columbia

Tracy Hueppelsheuser is a provincial entomologist for the British Columbia Ministry of Agriculture, based in Abbotsford. Her work focuses on biology and pest management of established and invasive insect species that impact BC agriculture. This includes insect identification, outreach and extension activities, policy and regulation development, and some surveillance. The Ministry works closely with other organizations with similar mandates and goals.

Peter Isaacson, President of Desslsaa Horticultural Consultants Inc. and National IPM Coordinator for the Canadian Nursery Landscape Association, has over 15 years' experience focusing on urban landscapes and production nurseries to promote the benefits of IMP and pesticide risk reduction in ornamentals across Canada

E1. 10:45am-11:45am

Stream: Environmental

Title: ***Knot What We Thought: Hybridization changes the nature of the invasive knotweed battle***

Presenter: ***Jennifer Grenz***

Description: While we have been battling knotweed the enemy has revealed that it may have been masking itself as something entirely different. New information about knotweed populations and their hybridization may change how we manage the species. What you need to know.

- 1) define knotweed species, hybridization and backcrosses
- 2) learn what hybridization has done to increase the invasiveness of knotweed species
- 3) learn how management practices may need to be changed based on this new information.

Presenters Biography: **TBA**

E2. 10:45am-11:45am

Stream: Arboriculture

Title: ***Tree Worker Preservation through Prevention***

Presenter: ***Dwayne Neustaeter***

Description:

Have you heard of or known a tree worker killed on the job?

Have you heard stories about the event and wondered why or how it could have happened and been prevented?

It has been said that it is wise to learn from others experience as we just don't have the time to make all the mistakes ourselves.

Accidents are often defined as unplanned events and therefore planning is a logical step in preventing accidents.

It is important to have an understanding of what can or has happened in order to make effective work plans. This is gained through experience which can come in many forms and hearing about other's experiences is one of the oldest forms of education and training. Some of the world's greatest teachers shared stories...true stories.

Saving lives through prevention is the purpose of this forensic seminar. By reviewing fatality incidents you will hear what happened and understand how and why the fatality occurred.

This seminar deals with real incidents and is done for the sake of learning from other's experiences so we can avoid repeating the same.

Presenters Biography:

Dwayne Neustaeter is president, curriculum programmer and lead instructor of Arboriculture Canada Training & Education Ltd., an organization focusing on meeting the training and business needs of arborists and related industries.

He instructs classes, seminars and hands on training programs on safety and a wide range of skills for arborists around the world. He is widely recognized for his upbeat speaking style, engaging learners and making learning fun.

As current Society of Commercial Arboriculture President, past-president of the ISA Prairie Chapter, past committee member of the ISA Tree Risk Assessment Qualification Panel of Experts and ISA TRAQ instructor, he remains involved in

associations and committees across North America to give back to the industry and continue learning.

E3. 10:45am-11:45am

Stream: Horticulture

Title: ***Carbon Offsets Using Trees***

Presenter: ***Robin Clark***

Description:

To reach the goal of becoming carbon neutral, one needs to calculate current emissions, reduce as much as feasible and offset the remaining emissions. One way to reduce emissions is by planting trees in a way that meets the criteria as a carbon offset. In combination with other carbon offsets, an organization can become carbon neutral.

Presenters Biography:

As owner of his own natural resources consulting business for the past 20 years, Robin has developed clients in industry, government and First Nations across BC. The company provides expertise in natural resource management, land use planning, and ecosystem restoration. In 2005, Robin has completed numerous carbon offset projects in both rural and urban settings and will share some before and after pictures.

F1. 1:00pm-2:00pm

Stream: Environmental

Title: ***Community engagement for park development and environmental issues***

Presenter: ***Nadia Chan***

Description:

When working in a municipal parks setting, community consultation can be a key part of getting your project off the ground. This presentation will review community engagement strategies, discuss challenges in community engagement and identify lessons learned by the City of Surrey's Urban Forestry and Environmental Programs Section.

Presenters Biography:

Nadia has a **Bachelor of Science in Forestry, Forest Operations** from the University of British Columbia, is an ISA Certified Arborist and a Certified Tree Risk Assessor. Nadia has worked for the City of Surrey for over 10 years; as the city's Natural Areas Coordinator, she oversees the management of the city's natural area parkland. Nadia is the Director of Public Outreach for the Pacific Northwest Chapter of the International Society of Arboriculture and sits on BCIT's Forest and Natural Areas Management Program Advisory Committee.

F2. 1:00pm-2:00pm

Stream: Arboriculture

Title: ***Building a Better Forest - Vision, Communication and Principles***

Presenter: ***Ken Snowden***

Description:

Society, for the most part, has recognized the importance of the urban forest and the benefits it provides. As

professionals, we are trusted to do the right thing with this valuable asset. This session will focus on the ability to communicate our vision based on the principles we apply.

Presenters Biography:

Graduated from Olds College, Olds, Alberta in 1988 with a Diploma in Horticulture

- Has worked in Municipal and Commercial arboricultural for over 30 years
- Recipient of the Alberta Landscape Architects Association Scholarship
- Journeyman Landscape Gardener Certification-1992
- ISA Certified Arborist and Tree Risk Assessor

F3. 1:00pm-2:00pm

Stream: Horticulture

Title: ***Growing Turnips, not Tulips: Collaborating with organizations to create a garden for learning***

Presenter: ***Leslie Topness, Holly Rooke, Guy Martin, Emma Sweeney***

Description:

Grow turnips, not tulips: collaborating with grass roots organizations to create community-engaged, food-growing spaces. Stories from the Edible Garden Project.: How can you, in your role with the parks, support local food security? The Edible Garden Project is a program of the North Shore Neighbourhood House and our vision is to fill the city with food gardens. We grow, we teach, we share. Let us inspire you to grow turnips instead of tulips and engage the local community to help steward the space. In our work, we coordinate different types of garden sites: in city parks, on school grounds and in front yards, as sharing gardens for donation or an urban farm as a social enterprise. Come find out about our different models, strategies for engaging volunteers who steward the land, and what it really takes to shift our urban landscape toward producing more food. Reflect on the under-utilized spaces in your area and how one of these models could work for you.

The Pencil Patch - A Garden for Learning: The City of Abbotsford has made approximately one acre of land available to BC Agriculture in the Classroom Foundation at no cost to be used as an outdoor education area for schools. The area has a rich history and the buildings provide a good backdrop with a solid agricultural heritage. The Foundation has partnered with the Abbotsford Community Garden Society, the Abbotsford Community Foundation, the City of Abbotsford and Kiwanis Club to build what is now the existing Pencil Patch - A Garden for Learning.

Presenters Biography:

Holly Rooke, Neighbourhood Farmer

Holly comes to farming from a background in international development and environmental education. She has worked on community development projects across Canada and abroad, and it was during her time running a school and family garden program in Honduras that she saw the potential for enhancing community through growing food. After two years fine-tuning her skills as an apprentice at an organic farm in Ladner, BC, she joined the Edible Garden Project as Neighbourhood Farmer, co-managing two profitable urban farm sites which are run as social enterprises.

Holly believes that growing your own food is an incredibly empowering and rewarding experience, and that food growing spaces are some of the best venues for people to get engaged and involved in their community.

Leslie Topness, Community Coordinator

As the community coordinator at the EGP, Leslie recruits, mobilizes and teaches all kinds of volunteers and hopes to increase the amount of food people are growing everywhere. But for her, growing is not just about delicious food—it's about growing rich relationships and a sense of place (connection to ourselves, to other people, to our health, to the land). Leslie brings a diverse background that includes teaching youth in school garden programs with Green Thumbs Growing Kids, starting her own backyard farm project in Toronto, and facilitating community garden spaces.

Emma Sweeney is the Communications Coordinator for BC Agriculture in the Classroom Foundation. With a background in English and Communications, she runs the Foundation's communications and social media and helps tell the story of

agriculture.

Having grown up in the Fraser Valley on a hobby farm with fresh food grown right in her backyard, Emma has always had an appreciation of where her food comes from, and wants to see other children have the same opportunity.

Closing Keynote: 2:15pm-3:15

Stream: *All*

Title: ***Tree and Forest Characteristics for Improving Air Quality***

Presenter: ***David Nowak, PhD***

Description:

Trees in cities have both positive and negative effects on air quality and consequently human health. This presentation will discuss: a) air quality issues in cities, b) the 4 main ways that trees affect air quality, c) the magnitude of impact that trees in cities have on air quality and human health, d) the best species and forest designs in cities to improve air quality, and e) tools that can be used to assess how urban trees and forests affect the local environment and human health.

Presenters Biography:

David J. Nowak is a Team Leader with the USDA Forest Service in Syracuse, NY. Dr. Nowak received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. His research investigates urban forest structure, health, and change, and its effect on human health and environmental quality. He has authored over 250 publications and leads teams developing software tools to quantify ecosystem services from urban vegetation (e.g., UFORE and i-Tree programs).

Post-Workshop Session - February 19th, 2016

Facilitator: ***David Nowak, PhD***

Stream: Horticulture

Time: 8:30am – 11:30am

Location: Cascades Casino Resort & Convention Centre (Rm. ____)

Title: ***i-Tree tool and its use in Canada***

Description:

A hands on training workshop on how to use the i-Tree tool. Available for free for use in Canada, this tool helps provide urban forestry analysis and benefits assessment.

Presenter Biography:

David J. Nowak is a Team Leader with the USDA Forest Service in Syracuse, NY. Dr. Nowak received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. His research investigates urban forest structure, health, and change, and its effect on human health and environmental quality. He has authored over 250 publications and leads teams developing software tools to quantify ecosystem services from urban vegetation (e.g., UFORE and i-Tree programs).

Post-Workshop Session - February 19th, 2016

Facilitator: **NATS Nursery Ltd.**

Stream: Horticulture

Time: **12:30 – 3 pm**

Location: NATS Nursery Ltd. 24555 32 Ave, Langley, BC V2Z

Title: **NATS Nursery Tour**

Description:

Come visit NATS Nursery and check out the inventory of one of BC's largest growers of native plants for parks, urban forests and reclamation of disturbed sites. Learn from NATS' 28 years of experience about seed processing and propagation of starter plants to 20 gallon containers and field stock, including unique Integrated Pest Management (IPM) solutions. Experience first-hand, the production and simple installation of LiveRoof, the leading modular green roof system and a growing trend on urban buildings.

Presenter Biography:

The NATS Nursery team supplies the arms for a landscape revolution. We grow the lungs of the world. By enthusiastically sharing our passion and expertise, we inspire all to grow the right plants in the right places, and restore habitat for all the world's creatures.

We fill orders small and large, from starter plants to finished plants. Whether it's a selection of #1 pots for a municipal project, 100,000 custom grown seedlings for a mining reclamation project, or 350,000 native plants for the green roof of the Vancouver Convention Centre, we have a team of qualified experts to assist you with your specific project needs.