



DESIGN COMPETITION FOR URBAN DEVELOPMENT

Presented by



Fraser Basin Council

Photo credit: Aditya Chinchure

INTRODUCTION

THE CHALLENGE

Stormwater run-off is one of the largest non-point sources of pollution in urban areas affecting the health of salmon and our watersheds. Stormwater often contains contaminants such as hydrocarbons and heavy metals derived from vehicle exhaust, brakes and leaked fluids as well as nutrients, pesticides and bacteria from urban and agricultural uses. During rainy days, these contaminants are collected by rainwater, flow over large paved, impervious (non-absorbent) surfaces and drain into local fresh and marine waterbodies via storm drains and pipes.

THE OPPORTUNITY

What design processes, approaches and solutions will help address land and water management impacts of development? How can the design of our urban spaces add ecological value rather than decrease it? How can we reimagine our cities as adapting to climate change and addressing water quality, water quantity and restoration of aquatic and terrestrial habitat?

THE COMPETITION

The Salmon-Safe BC Design Competition for Urban Development provides an opportunity for visionary, progressive and innovative development champions and other landowners to bring design solutions for responsible land and water management to life. Winners will receive the financial and technical support to implement low impact development solutions and Salmon-Safe urban standards on their site to address land and water impacts.

You can find the webpage for our Design Competition [here](#). Please share this opportunity with your professional networks!



Photo credit: Nathan Ziemanski



Photo credit: Reza Shayestehpour

ELIGIBLE PROJECTS

EVALUATION CRITERIA

Applications will be accepted for urban sites that are in the design phase of development:

ELIGIBLE PROJECTS

- Re-development or development of a brownfield.
- Multi-family residential (3-unit minimum).
- Mixed use or commercial re-development.
- Institutional developments (e.g. schools, hospital sites).

INELIGIBLE PROJECTS

- Single family residential sites.
- Solely agricultural sites.
- Developments on greenfield sites or sensitive ecological areas.

ELIGIBILITY CRITERIA:

- Projects must be compliant with all local, provincial and federal regulations.
- Projects must be in the conceptual design stage (i.e. between schematic design and design development).
- Projects must be eligible for Salmon-Safe certification (see [Salmon-Safe Urban Standards](#)).

COMMITMENT TO ENVIRONMENTAL STEWARDSHIP

To be certified by Salmon-Safe a proposed urban development must demonstrate thoughtful design stewardship and a commitment to long-term progress in addressing the impacts of the proposed development on sensitive aquatic and natural resources.

COMPLIANT WITH SALMON-SAFE URBAN DESIGN STANDARDS

Salmon-Safe certification standards describe the performance requirements or desired outcomes from the following seven management categories. For more information on these standards and performance measures, see [Salmon-Safe Urban Standards Version 2.0](#) (p. 2-4).

- 
- 1 Stormwater management**
 - 2 Water use management**
 - 3 Erosion prevention and sediment control**
 - 4 Chemical and pesticide reduction and water quality protection**
 - 5 Enhancement of urban ecological function**
 - 6 Instream habitat protection and restoration (if applicable to site)**
 - 7 Riparian, wetland and locally significant vegetation protection and restoration (if applicable to site)**

SALMON-SAFE CERTIFICATION PROCESS

If selected, winners will undergo the Salmon-Safe certification process which includes the following:

1. An interdisciplinary evaluation team of qualified experts is assigned to the winning project to work with the design team during each stage of the design development process.
2. Salmon-Safe's assessment team evaluates project decisions and provides consultation at key points throughout the development process. This minimizes project design costs by producing recommendations before decisions are final.
3. Once recommendations are accepted, certification is issued. The Salmon-Safe team can assist the development team with a publicity and/or recognition campaign to recognize the site.
4. Development project certification is valid for five years, subject to annual verification.

DATES

August 7, 2018 - Competition Opens

October 31, 2018 - Competition Closes

November 7, 2018 - Competition Committee Deliberation

November 15, 2018 - Winners Announced

SUBMISSION REQUIREMENTS

All applicants must submit the following:

1. Competition application online form ([click here](#)).
2. Site plan for proposed development.

ONLINE SUBMISSIONS ONLY

1. Applicants must complete online application form ([available here](#)).
2. Site Plans and other supporting documents (under 5 MB) must be sent via email to Theresa Fresco at tfresco@fraserbasin.bc.ca.

PRIZES

Two winning applications will receive \$6000 each towards the cost of a Salmon-Safe assessment and certification.

Winners will be announced on November 15, 2018. Winners will be contacted directly and announcements will be broadcasted on Salmon-Safe BC's online and social media networks.

FOLLOW US ON SOCIAL MEDIA TO HEAR THE ANNOUNCEMENT OF OUR DESIGN COMPETITION WINNERS!



@SalmonSafeBC



COMPETITION COMMITTEE

Submissions will be evaluated by our esteemed committee of leaders from our Salmon-Safe US office and our interdisciplinary BC Assessment Team.



ANNA HUTTEL
Salmon-Safe US
Certification Manager

As an architect with extensive LEED experience and a volunteer ambassador of the Living Building Challenge, Anna has broad experience across the leading certification programs. Prior to joining Salmon-Safe, Anna led design teams in developing strategies for LEED certification with a focus on engineering related tactics. In 2010, she was awarded the Alpha Rho Chi Medal by IIT's College of Architecture for her leadership and service to the profession.



RANDY SHARP
Landscape Architect,
Sharp & Diamond
Landscape Arch. Inc.
/ Salmon-Safe BC
Assessment Team

Randy established Sharp & Diamond Landscape Architecture Inc. in 1980 with a commitment to ecological based solutions for site development that blends landscape and architecture. His major achievements include the Vancouver International Airport (YVR), the Seymour Filtration Plant (Metro Vancouver), Broadway Tech Centre (Bentall Kennedy) and the William Griffin Community Recreation Centre (North Vancouver) and Mountain Equipment Co-op (MEC). Randy is now a guest lecturer in the School of Architecture at UBC, the City Program at SFU and the Centre for Architectural Ecology at BCIT.



PATRICK LILLEY
Senior Biologist, Kerr
Wood Leidal Associates
/ Salmon-Safe BC
Assessment Team

Patrick's background includes degrees in Environmental Science and Plant Ecology and over 9 years of professional practice spread between positions in government, conservation organizations, and environmental consultancies. A primary focus of Patrick's work has been watershed planning and management, particularly measures to reduce the impacts of urbanization and restore and enhance aquatic habitat in developed watersheds.



RYAN PRESTON
Senior Environmental
Specialist, ENKON
Environmental Ltd.
/ Salmon-Safe BC
Assessment Team

Ryan is a Professional Agrologist practicing in the field of watershed management. He has a background in physical geography with a focus in responsible management of headwater ecosystems through adoption of erosion and sediment control best practices, riparian area protection and implementation of stormwater and rainwater management to maintain proper functioning ecosystems.



ELLEN SOUTHARD
Salmon-Safe Puget
Sound Manager

Ellen leads Salmon-Safe's urban outreach around Puget Sound. After serving as a Salmon-Safe volunteer for three years, Ellen joined Salmon-Safe Puget Sound to guide community outreach and develop programs focusing on municipalities. With 20 years of experience working with engineers, architects and planners, Ellen has been involved with a large number of community-based initiatives that support farmland preservation, historic resources and cultural corridor formation.

QUESTIONS

Questions may be submitted to Theresa Fresco, Program Manager, for Salmon-Safe Communities at tfresco@fraserbasin.bc.ca. Please include in subject line: Competition Inquiry.

ABOUT SALMON-SAFE BC

The Salmon-Safe BC is Canada's first and only certification program linking land management practices with the protection of watersheds. By adopting Salmon-Safe standards, developers, landowners and property managers can help protect salmon habitat and water quality to ensure this iconic species thrives for future generations. Building off of the success of Salmon-Safe US, the Pacific Salmon Foundation and the Fraser Basin Council teamed up in 2011 to deliver Salmon-Safe BC which focuses on assessments and certification in agricultural and urban areas.

Fraser Basin Council manages the 'Salmon Safe Communities' program which focuses on assessment and certification in urban areas.

CONNECT WITH US ONLINE!



@SalmonSafeBC

THANKS TO OUR FUNDERS



Photo credit: Drew Farwell

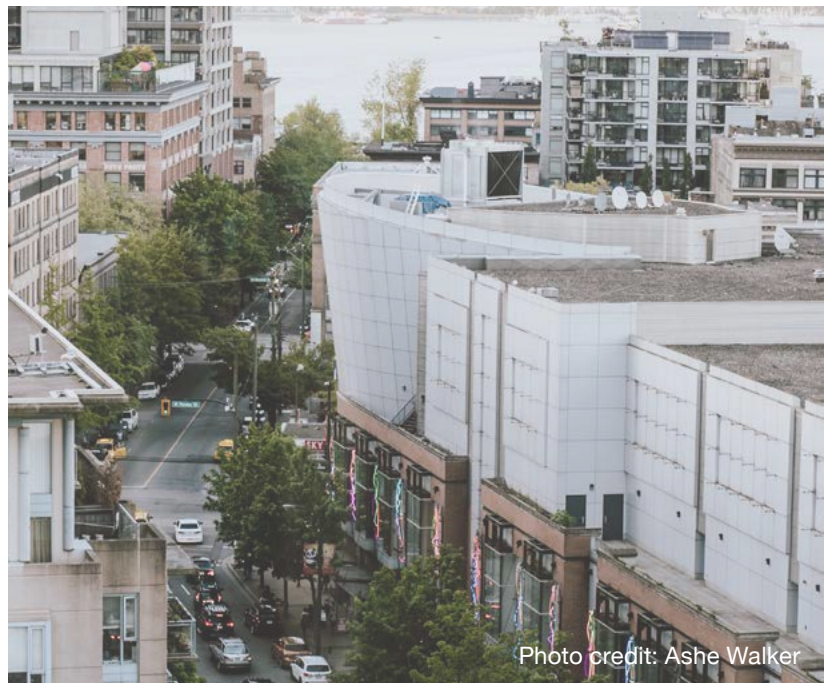


Photo credit: Ashe Walker



Photo credit: Chris Barbalis