



Greening Shorelines, Enhancing Resilience in a Changing Climate

Development and Delivery of Green Shores™

Education and Training

Formative Evaluation and Training Results



STEWARDSHIP CENTRE
FOR BRITISH COLUMBIA

Acknowledgements

Funding was provided for this study by Natural Resources Canada with in-kind support by the organizations represented in the project's Advisory Committees. These committees provided assistance with quality assurance, relevancy, and consistency with other shoreline guidance/initiatives, collaboration, and outreach to key audiences. Thanks are extended to the following organizations for their contribution to the project: University of Victoria, Archipelago Marine Research Ltd, Modus, BC Ministry of Environment, Climate Action Secretariat, Natural Resources Canada, Capital Regional District, British Columbia Institute of Technology, University of Prince Edward Island, BC Ministry of Community, Sport and Cultural Development, Rueggeberg Associates, SCBC Board of Directors/Conservation & Stewardship Practices Committee, SNC Lavalin, College of Applied Biology, Planners Institute of BC, Association of Professional Engineers and Geoscientists BC, LADR Landscape Architects Inc, Golder Associates, Washington Sea Grant, Islands Trust, Cowichan Valley Regional District, District of West Vancouver, West Coast Environmental Law, and the Powell River Regional District. This document does not necessarily represent the views of individual members of the Advisory Committees, or the official positions of the organizations with which the individual committee members are associated. For a full listing of Advisory Committee members and organizations, please see Appendix A.

Funding is gratefully acknowledged with support from Natural Resources Canada through the Adaptation Platform.



Natural Resources
Canada

Ressources naturelles
Canada

The Stewardship Centre for BC

The Stewardship Centre for BC (SCBC) was created to assist governments, businesses, conservation, and environmental organizations, and citizens carry out stewardship activities in the most efficient, effective, and rewarding ways. A leader in promoting stewardship values as the foundation for sustainability, the SCBC wants to help make “shared stewardship” – the voluntary adoption of environmentally sustainable practices by all sectors of society – a reality in British Columbia. As good stewardship relies on good decision-making, we work closely with our partners to develop innovative technical, educational, and capacity building resources. Green Shores™ is a program of SCBC. For further information go to www.stewardshipcentrebc.ca



Cover Photos

Cover and all other photos in the report are by DG Blair.

This report was written DG Blair, M.Sc. The report was produced by the Stewardship Centre for British Columbia, 2016 ©

Disclaimer The Stewardship Centre for BC provides the information in this report for educational purposes only. Material contained within it carries no guarantee of any kind, express or implied. The Stewardship Centre for BC accepts no liability for damages to any person or business entity because of using this report, its information or any website linked to it. This report is meant to complement but not replace other existing resources. This report is based on research and interpretation by the SCBC. It does not represent a legal opinion.

TABLE OF CONTENTS

Introduction.....5

1.0 Curriculum and other Advisory Committees5

 1.1 Develop the Indicators.....6

 1.1.1 Unit Outcomes6

 1.1.2 Metrics6

 1.2 Course Descriptions6

2.0 Analysis8

 2.1 Level 1 training results.....9

 2.1.1 Learning outcomes9

 2.1.2 Occupation and applicability of the course to their profession10

 2.1.3 Reason for attending course.....11

 2.1.4 Did the course meet expectations?12

 2.1.5 Most enjoyable parts of course/ what could be improved13

 2.1.6 Other general Comments14

 2.1.6 Would you recommend this workshop to your colleagues or other homeowners?15

 2.2 Level 2 training results.....15

 2.2.1 Learning outcomes15

 2.2.2 Occupation and applicability of the course to their profession17

 2.2.3 Reason for attending course.....18

 2.2.4 Did the course meet expectations?19

 2.2.5 Most enjoyable parts of course/ what could be improved20

 2.2.6 Other general Comments20

 2.2.6 Would you recommend this workshop to your colleagues or other homeowners?21

 2.3 Total number of participant registered/waitlisted21

 2.4 Website hits22

 2.5 Costs for Delivery.....22

3.0 Recommendations24

Appendix A: Project Advisory Committees26

INTRODUCTION

The use of participatory evaluation process was used in designing and implementing the project's formative evaluation. A participatory evaluation process includes the active involvement of stakeholders such as program providers, partners, beneficiaries, and any other interested parties. In this case, the project Advisory Committees, comprised of key stakeholders, had input into identifying benchmark indicators and other metrics used in the evaluation. Formative evaluation is generally any evaluation that takes place before or during program implementation with the aim of improving the program's design and performance. It can be viewed as a valuable investment that improves the likelihood of achieving a successful outcome through better program design.

The evaluation was completed using a three step process: 1) identify bench mark indicators with the assistance of a Curriculum Advisory Committee; 2) measure progress against these indicators; 3) complete recommendations for future course delivery. A mixed---methods formative evaluation approach was used-- incorporating quantitative parameters designed to measure learning outcomes (benchmark indicators), participant uptake as well as qualitative characteristics such as participant perceptions, reactions, and recommendations for improving the courses.

1.0 CURRICULUM AND OTHER ADVISORY COMMITTEES

The convening of an evaluation advisory committee (AC) that was made up of key stakeholders helped to ensure the project outcomes, including the evaluation, were relevant, on-track to meet stakeholder needs, and useable.

The AC served several purposes, including:

- informing the initial design of the curriculum and bench mark indicators, called Learning Outcomes
- providing the project with on-going expertise and current research findings
- reviewing the evaluation findings to ensure their relevance and consistency.

The Curriculum Advisory Committee's membership and Terms of Reference were developed in October, 2015 and the first meeting was convened on November 4, 2015. A total of six meetings were held via teleconference over the course of the project.

In addition, the project was aided by the input from the Green Shores Technical Advisory Committee, the Green Shores Local Government Group, and the Climate Action Secretariat's Professionals Group -- Green Shores sub-committee.

1.1 DEVELOP THE INDICATORS

1.1.1 UNIT OUTCOMES

A series of unit outcomes (indicators of learning) were developed and described for each of the units for Level 1 and Level 2 courses. These statements describe the learning that students will have achieved at the end of the unit. For example, for Unit 2 (Level 2), students will be able to:

- 2.1 Explain the value of shoreline ecosystems including nearshore biological values
- 2.2 Describe the physical processes that contribute to shoreline formation
- 2.3 Identify the 5 shoreline types
- 2.4 List examples of biological communities and key species associated with the 5 shoreline types
- 2.5 Explain the impact of human activity (including shoreline protection) on shoreline ecosystems
- 2.6 Explain the impact of invasive species on shoreline ecosystems
- 2.7 Explain the impact of climate change and sea level rise on shoreline ecosystems.

All Unit Outcomes are listed in the Curriculum Blueprint document for each course.

1.1.2 METRICS

Participation metrics were gathered including:

- Occupation and applicability of the course to their profession
- Reason for attending course
- Did the course meet expectations?
- Most enjoyable parts of course/ what could be improved
- Total number of participant registered/waitlisted

Other metrics

- # of website hits on www.greenshores.ca /Latest News/ Training link during the project period
- Costs for delivery

1.2 COURSE DESCRIPTIONS

Level 1

Course Dates/Locations:

- January 18, 2015; Room B255; David Turpin Building, University of Victoria; Victoria, BC
- January 26, 2015; Legion Hall # 257, 7225 Lantzville Road; Lantzville, BC

Green Shores Training Formative Evaluation and Results

Overview:

This one-day workshop introduces participants to the Green Shores program, including its rationale, benefits, and application. The content is of interest to elected officials, landowners, municipal staff, conservation organizations, real estate agents, and others who have a general interest in shoreline ecosystem protection. Topics covered include an overview of shoreline ecology and governance, followed by an introduction to the Green Shores credit and rating system. A visit to local shorelines allows participants to consider the concepts in a practical setting. The workshop concludes with a guided group discussion around how to implement key concepts and put new learning into practice.



Course instructor, Brian Emmett, facilitating group exercise with Level 1 participants in Victoria, BC



GS Technical Advisory Committee member, Harriet Rueggeberg, discussing shoreline options with participants at the Lantzville Level 1 workshop

Level 2

Course Dates/Locations:

- January 28-29, 2016; Powell River, BC
- February 10-11, 2016; West Vancouver, BC

Overview:

This two-day workshop provides participants with in-depth knowledge about how the Green Shores credit and rating systems can be used in shoreline management projects. The content is of interest to professionals (biologists, engineers, planners, landscape architects) and contractors, local and regional government staff, and others seeking to implement the Green Shores program for a shoreline improvement, new design or development, or other related shoreline projects.

The first day of the workshop begins with a review of shoreline ecosystems including threats and issues, management and restoration strategies, and regulatory structures in place. The Green Shores program, including benefits to stakeholders, steps for implementation, and credit systems, are also covered. The

Green Shores Training Formative Evaluation and Results

second day of the workshop focuses on application of the Green Shores credit and ratings systems through a series of desktop and field exercises. The workshop concludes with a guided group discussion around how to implement key concepts and put new learning into practice.



Participants completing an exercise to complete a Green Shores for Coastal Development credit rating, based on a real-life case study, at the Level 2 workshop in West Vancouver, BC



Participants sharing their conceptual Green Shores design, with the aim to maximize GSH credits, at a shoreline property with erosion issues (with partial bulkhead) at Level 2 workshop in Powell River, BC

2.0 ANALYSIS

An evaluation form, filled in by participants at the end of each course, gathered information for both Level 1 and 2 courses, respectively. A total of 42 people completed the Level 1 courses, with 35 completing the evaluation forms; while a total of 37 people completed the Level 2 courses and 34 completing evaluation forms.

Courses were analyzed separately, starting with Level 1, followed by Level 2.

Course Description	# of Participants
Level 1	42
Level 2	37
Total	79

2.1 LEVEL 1 TRAINING RESULTS

A series of questions were developed, some ranking based, while others gathered comments and recommendations.

2.1.1 LEARNING OUTCOMES

Did the workshop meet the learning outcomes as outlined in the description?

5

4

3

2

1

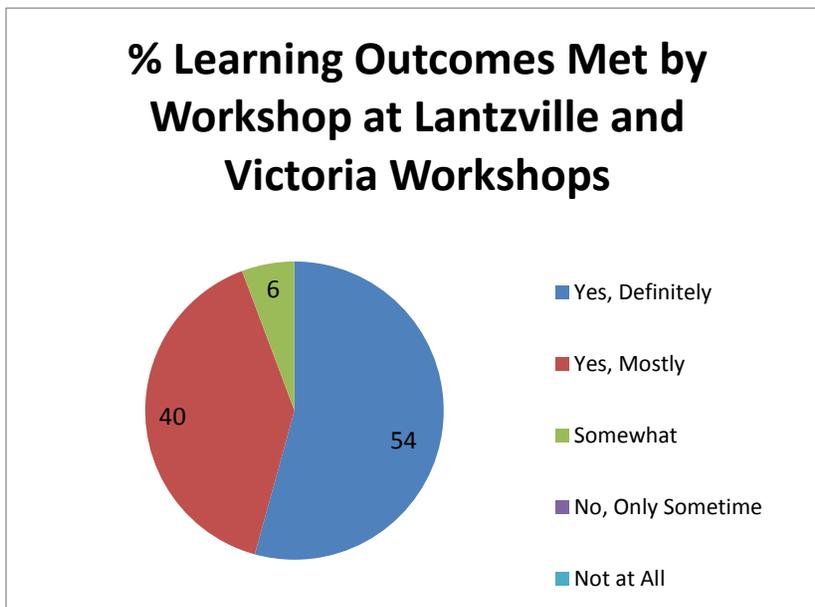
Yes, definitely

Somewhat

Not at all

Results

94% of participants felt the course met the learning outcomes as described (ranked 4-5). Details are below:



Achievement of learning outcomes by participants were also informally analyzed by course instructors during the field exercises, where participants demonstrated their understanding of Green Shores principles and application during small group discussions and presentations.

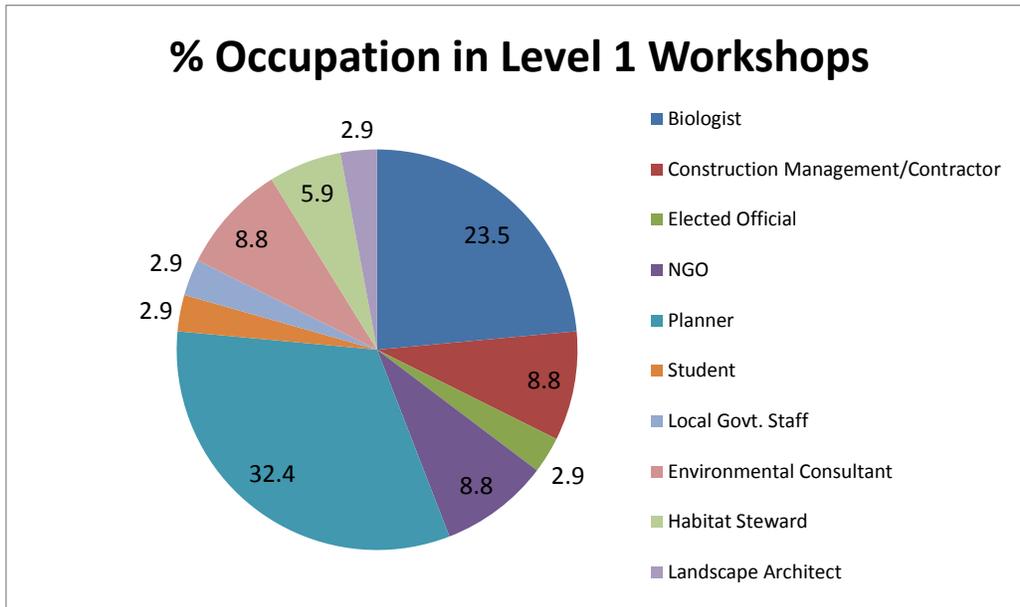
Comments included:

- Thank you. I had a great day.
- I imagined learning something somewhat more in depth regarding the program

Green Shores Training Formative Evaluation and Results

- Pretty darn close!
- Thank you!

2.1.2 OCCUPATION AND APPLICABILITY OF THE COURSE TO THEIR PROFESSION



Top occupations included Planners (32.4%), followed by Biologists (23.5%).

How applicable was the workshop subject matter to your profession?

5

4

3

2

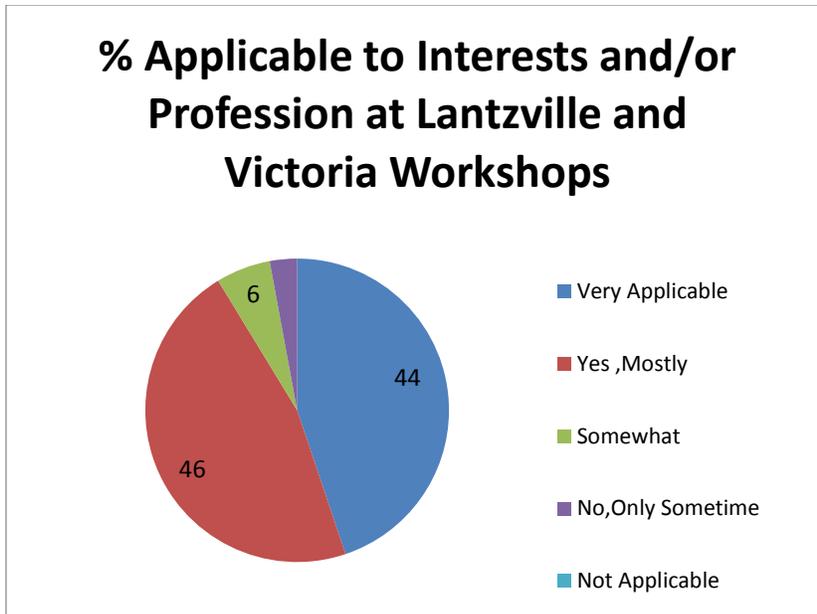
1

Very applicable

Somewhat applicable

Not at all applicable

90% of participants felt the course subject matter was applicable (ranked 4-5) to their profession. Details are below:



Comments:

- My emphasis is major projects – looking forward to seeing broader applications of GS
- Applicable to current construction practices as well as future problems due to sea level rise
- Would have liked more biological info
- I have applicants at work who sometimes build hard shorelines but now I can inform of alternative!
- I can see it as a developing revenue
- More grounded in legislation and regulation
- Focussing on coastal management now
- Very applicable
- Felt that principles were not new on the design front – very basic
- We don't tend to deal with a lot of ocean front re-zonings/subdivisions – useful context when they do come up

2.1.3 REASON FOR ATTENDING COURSE

The top two reasons for attending the course were:

- To learn more about the program (Green Shores)
- Looking for further education on environmental processes in the coastal environment

Other reasons included:

- Relevance to projects

Green Shores Training Formative Evaluation and Results

- Important information
- To become information and gain an overview of the concepts
- Learn options for shoreline protection and restoration
- We authorize beach access and shoreline protection within our wildlife mgmt. area
- Need better solutions and alternatives to hardening
- Professional and personal interest
- Curiosity and professional development
- To learn about foreshore protection the “green” way
- As a contractor who constructs shore protection, it interests me
- To learn and expand my knowledge base
- Proximity to home
- To learn
- Learn more about program to raise awareness with local residents
- Contract management
- Will be doing foreshore revegetation
- To help inform me for what I often do at work
- Working on DP and sea level rise
- Excellent professional development opportunity. Potential work opportunities.
- Interested in ecological urban design/restoration
- To fill a knowledge gap that is currently in demand in my work
- Interest
- To better understand the interface b/w the ‘traditional’ landscape area and the riparian area
- Thought it would be useful for properties on Cortes
- Need to learn regulations
- Timely with revision of official community plan review

2.1.4 DID THE COURSE MEET EXPECTATIONS?

5

Yes, definitely

4

3

Somewhat

2

1

Not at all

Results

88% of participants felt the course met their expectations (ranked 4-5). Details are below:



Comments included:

- Well presented for a pilot
- Need political support to implement idea, maybe level II?
- Learned about Green Shores, pace was good – kept me awake w/ activity
- Would take the Level 2 instruction
- Felt that the focus was on beach fronts mostly, want to better understand the contents of Green Shores
- Loved it!
- Good information;
- Enjoyed the format, informality, and practical field trip;
- Helped clarify a number of concepts and approaches;
- Good balance of speaking, exercises, and field trip;
- Looking forward to Level 2;
- Excellent
- Very well-spoken instructors;
- Good to have a variety of occupations/organizations present;
- I was really impressed with how engaged I was
- Good mix of teaching, discussion and field visit.

2.1.5 MOST ENJOYABLE PARTS OF COURSE/ WHAT COULD BE IMPROVED

Top three most enjoyable aspects of the course:

- Field trip/ ability to apply criteria in real world
- Good presentation (Engaging, clear goals, knowledgeable and well-spoken instructors)
- Sharing experiences/exchange/discussion with diverse expertise and likeminded people

Other comments

- Exposure to municipal planning 'culture' through the questions and comments from other participants
- Learning science-based physical geography, concepts that Green Shores is based on.
- Excited for the program to develop!
- Learning about the levels of responsibility between governments. A myriad of examples for what can be done for a successful green shore.

Top Three Recommended Improvement to the course

- Share more Green Shores examples/details on examples
- Shorter morning then beach walk, then longer discussion about ratings
- Incorporate funding information and demonstration sites

Other Comments

- Provide base regulatory framework – more than just 'local-provincial-federal' scope
- Though I like breakouts, I'd like to hear more about coastal processes
- Clearly identify Green Shores principles and what it will do for design (qualified?) professionals
- More presentations, less group work. More and different examples or potential issues & solutions

2.1.6 OTHER GENERAL COMMENTS

- This course was good to introduce the idea, but as it becomes more widely recognized, may need to be tweaked to allow for more specialized audiences (e.g. Green Shores Level 1, local government)
- I am still confused on jurisdictional issues. Most of the work would seem to take place in an area not owned by the land owner – and municipal governments don't have much control.
- An all day field trip to various sites that have been restored would be something I would pay for and would have a wider audience. Credit course?
- Very much enjoyed it. Thank you!
- Would be great to visit Green Shores scheme. Many thanks for an enjoyable, well planned and informative day.
- Like to see the classification process move forward
- Streamline workshops for homeowners vs gov't/policy makers. Good luck with efforts to establish a certification & registry of professionals. This is needed.
- Keep up the hard work, I think you have some great ideas.
- Good overview; A map showing where we have areas that are priorities for restoration would be useful;

Green Shores Training Formative Evaluation and Results

- Would be interested in Level 2;
- Need to promote more;
- Consider presenting to elected officials (i.e.UBCM);
- My role is to report back to my colleagues and the video will help with this;
- Very interesting, enjoyable and applicable workshop for projects I'm involved in;
- Continue to share and education people on Green Shores;
- Very informative, connected with like-minded folks, good presenters;
- I see potential for First Nations involvement with Green Shores and possible source of federal funding;
- Might benefit from another day (eg two day workshop)

2.1.6 WOULD YOU RECOMMEND THIS WORKSHOP TO YOUR COLLEAGUES OR OTHER HOMEOWNERS?

100% of workshop participants would recommend the workshop.

2.2 LEVEL 2 TRAINING RESULTS

A series of questions were developed, some ranking based, while others gathered comments and recommendations.

2.2.1 LEARNING OUTCOMES

Did the workshop meet the learning outcomes as outlined in the description?

5

4

3

2

1

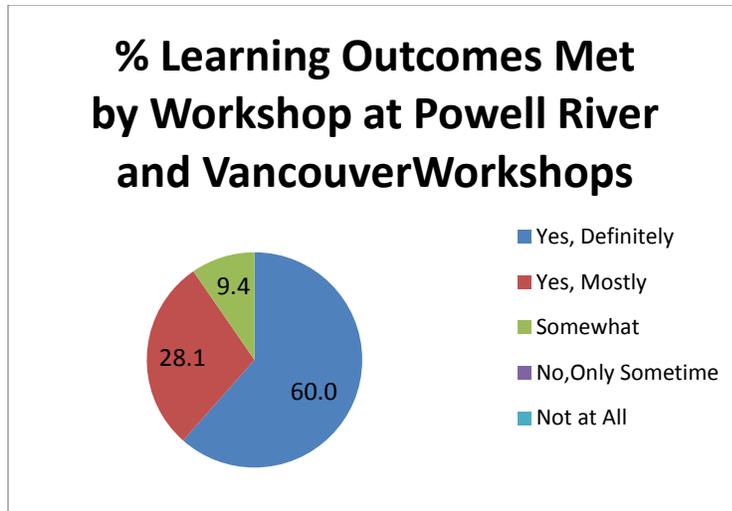
Yes, definitely

Somewhat

Not at all

Results

88% of participants felt the course met the learning outcomes as described (ranked 4-5). Details are below:

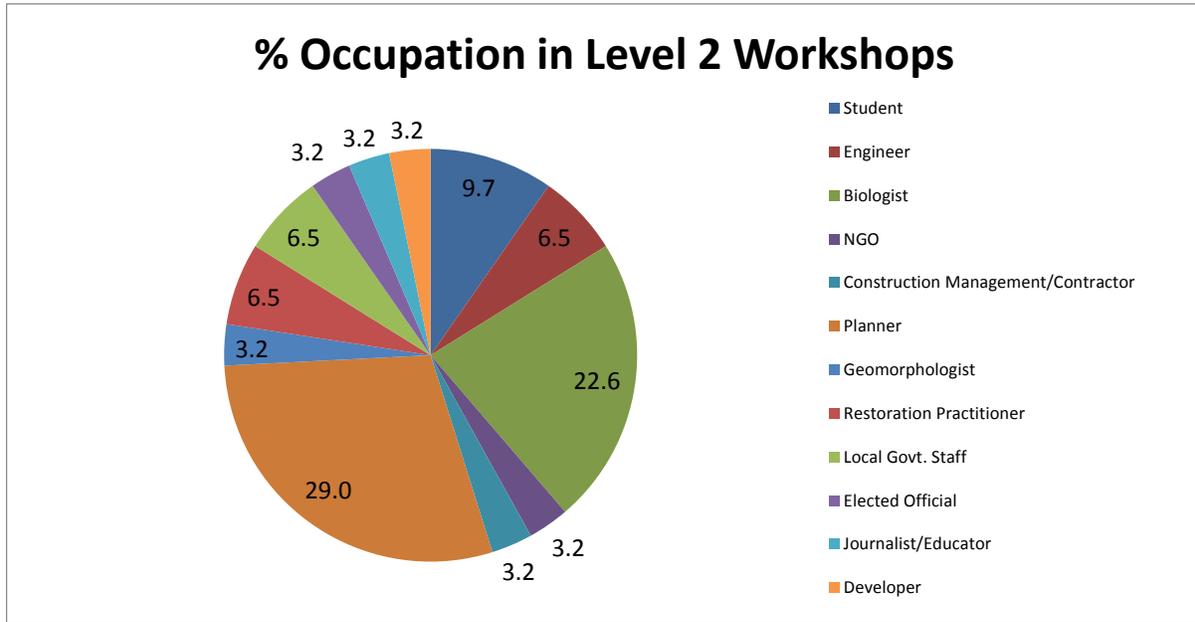


Achievement of learning outcomes by participants were also informally analyzed by course instructors during the field exercises, where participants demonstrated their understanding of Green Shores principles and application during small group discussions and presentations.

Comments:

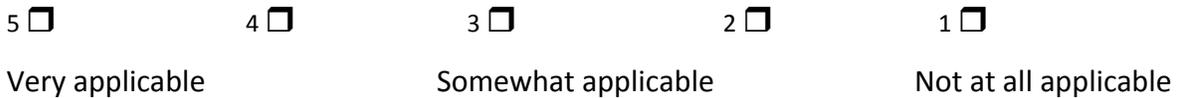
- Not differentiated between 1 and 2 or whether to take one or both;
- A lot of information;
- GS principles were well-presented;
- On-site learning opportunities were good, suggest doing one each day;
- Learned much more in 2nd workshop, more in depth;
- Multi-disciplinary group work was excellent;
- It was great but needs to evolve a bit;
- Well run but could use time better by streaming live activities;
- Day 1 was a bit high level and field trip could have had more direction to it;
- Great thanks – learned much more about how accreditation could encourage better treatment of shores;
- Expected to have more design criteria/applications;
- Good field trips and exercises.

2.2.2 OCCUPATION AND APPLICABILITY OF THE COURSE TO THEIR PROFESSION

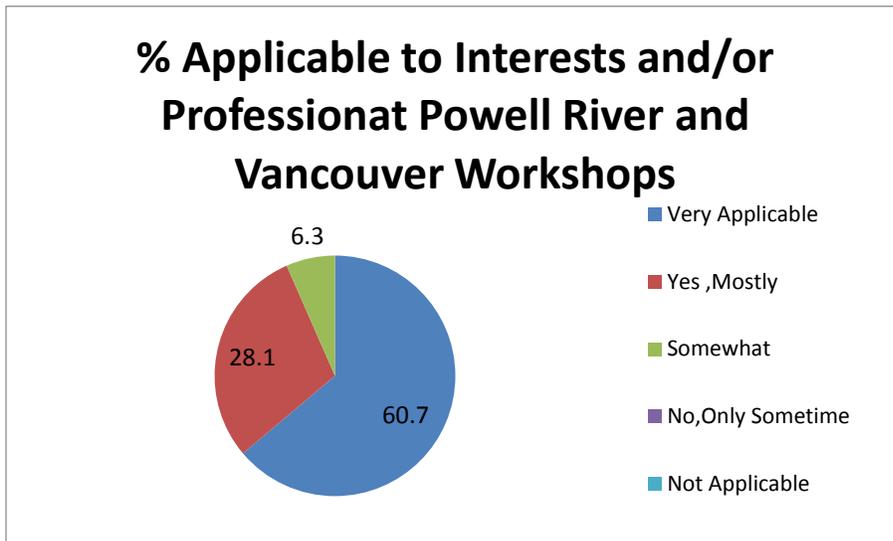


Top occupations included Planners (29%), followed by Biologists (22.6%).

How applicable was the workshop subject matter to your profession?



94% of participants felt the course subject matter was applicable (ranked 4-5) to their profession.



Comments:

- Directly applicable to all the hats I wear;
- Can be used in areas other than shores;
- I appreciated the background info about coastal processes and environment but am unlikely to use the credit rating system;
- Very applicable to my professional area;
- Having the opportunity to learn and practice site assessments and credits checklist;
- I thought the program was further along in adoption;
- Pollution isn't tackled in a big way and yet it is one of the four principles;
- I do some foreshore work;
- Has high potential for restoration projects;
- Really interested in pursuing coastal management;
- Subject was applicable and relevant.

2.2.3 REASON FOR ATTENDING COURSE

The top two reasons for attending the course were:

- Learn about credit system and more about Green Shores, in general
- Professional development appropriate for my field

Other comments

- To increase knowledge for any of my riparian assessment/development projects
- Get grounding in particulars of credits and points
- To learn about how to apply/consider Green Shores techniques over large areas, dykes, mud flats
- Relevant to my business
- Fits in with mandate and future plans
- Topical, important
- Useful for my day to day work with landowners
- Wanted to solidify my existing application of many Green Shores principles
- Undertaking public education and outreach this year
- To enhance my day job and for more knowledge in my local government roles
- To learn more on how to stop/slow beach erosion
- Further my knowledge of how to apply the GSH credits and rating system
- Curiosity; homeowner of bank front property
- Improve my ability to consult with homeowners
- To add work skills and be educated enough to provide advice to clients
- To better get an understanding of GS and have more tools to work with homeowners
- Build knowledge base to assist in reviewing upcoming shore-based developments

2.2.4 DID THE COURSE MEET EXPECTATIONS?

5

4

3

2

1

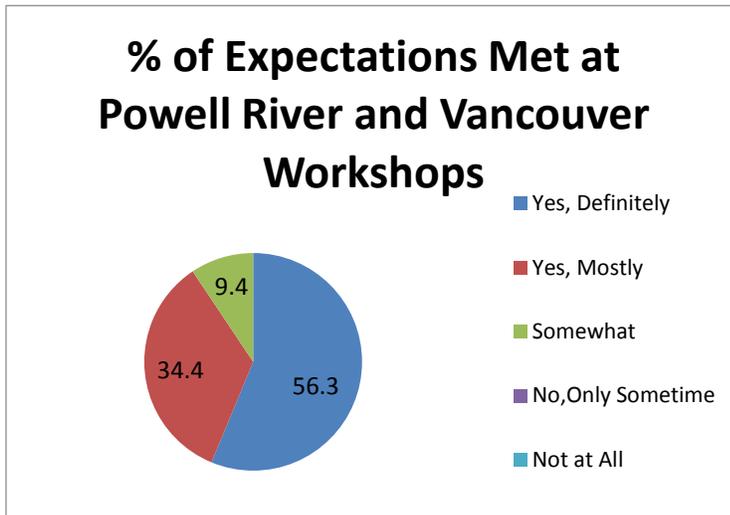
Yes, definitely

Somewhat

Not at all

Results

91% of participants felt the course met their expectations (ranked 4-5). Details are below:



Comments included:

- Learned much more in 2nd workshop, more in depth;
- Multi-disciplinary group work was excellent;
- It was great but needs to evolve a bit;
- Well run but could use time better by streaming live activities;
- Day 1 was a bit high level and field trip could have had more direction to it;
- Great thanks – learned much more about how accreditation could encourage better treatment of shores;
- Expected to have more design criteria/applications;
- Good field trips and exercises
- Field study was the best part;
- I'm hoping to advance in this field by taking further courses;
- I'm now familiar with GS principles;
- Great hands-on learning and case studies in class and on the beach;
- Exceeded them;
- Lots of class participation;
- Work in progress as a pilot workshop, need to work out kinks

2.2.5 MOST ENJOYABLE PARTS OF COURSE/ WHAT COULD BE IMPROVED

Top three most enjoyable aspects of the course:

- Field trip/ ability to apply criteria in real world
- Sharing experiences/exchange/discussion with diverse expertise and likeminded people
- Examples/case studies

Other comments

- Networking, good learning environment, interesting concepts
- Case studies, description of rating system
- Discussions – getting answers from varied expertise and see problems thru many perspectives
- Rating and scoring projects
- Manuals
- Learning shoreline design applications
- Local examples, good mix of participants, good instruction
- Instructors experience
- Charades and other hands-on activities

Top Three Recommended Improvement to the course

- For case studies, give descriptions of projects/sites as reading for homework or more time to better understand case studies
- Better audio/visual aids (projector, video speakers, screen set-up)
- Break field trip up into a portion of each day

Other Comments

- For case studies, give descriptions of projects/sites as reading for homework
- More time for case studies and exercises
- More time to review the guide and understand finer details
- I would be interested in taking the certification level
- Additional depth on shoreline processes – sediment transport, geomorphology, etc. for stronger understanding and basis for GS interventions
- Program needs to be more clearly defined with clear delineations and definitions, the system seems to work in theory but more definition needed for practice.
- Lunch on time – snacks would have helped keep the energy up
- Distinction between level 1 and 2
- Having an answer for how to become a verifier
- Add more technical guidance on construction as projects are monitored over time
- clarify main objectives of Case Example activities and try to simplify
- More how-to's

2.2.6 OTHER GENERAL COMMENTS

- There are challenges with administration of certification, verifier description, qualified list of people who have taken course

Green Shores Training Formative Evaluation and Results

- Thank you! X 4
- Great workshop, I was hoping to get some sort of certification but of course now I realize that's not really possible in 2 days;
- I would like more info on similar advanced training in this field and how to participate in practical field work;
- You were both very professional and organized and the course did not lag or feel repetitive;
- Very good presentation, I will use the Resource Book and Glossary;
- Thanks for an excellent two days, look forward to future opportunities;
- Offering lunch was excellent as it is hard to make up bag lunches when travelling;
- Keep coming back to Powell River;
- More proven examples for homeowners to be convinced;
- More science.
- I was only able to attend the workshop because I'm on reading break from school – schedule on weekends if you want student attendance;
- Storm videos with examples of what works and what doesn't
- Looking forward to learning how professional accreditation process rolls out;
- Would be great to deliver workshops to homeowners and councils
- It's a great start;
- Perhaps revising the guide page re: Jurisdiction to include further info about landowners abiding by local bylaws;
- Real Estate agents should take Level 1;
- I feel like we focused a lot on coastal but not floodplain;
- It would be nice to have the GSCD workshop case study materials as well put together as GSH
- Ready-to-go resource package needed for communities and groups to use for local outreach and educators at events, electronic resources, large posters for displays;
- Look forward to more;
- You're doing a great job of moving coastal causes forward;
- I am interested to see how the program develops and evolves;
- I think this could be an important land management tool;
- Am interested in learning about verifier certification.

2.2.6 WOULD YOU RECOMMEND THIS WORKSHOP TO YOUR COLLEAGUES OR OTHER HOMEOWNERS?

- 100% of workshop participants would recommend the workshop.

2.3 TOTAL NUMBER OF PARTICIPANT REGISTERED/WAITLISTED

Level 1 Victoria: 21 registered + 2 withdrew + 10 wait list = 33

Level 1 Lantzville: 21 registered + 6 withdrew + 6 wait list = 33

Level 2 Powell River: 17 registered + 1 withdrew, no wait list = 18

Level 2 Vancouver: 20 registered + 4 withdrew + 1 wait list = 25

Green Shores Training Formative Evaluation and Results

2.4 WEBSITE HITS

ON WWW. GREENSHORES.CA LATEST NEWS/ TRAINING LINK

Compare February 2015 to February 2016

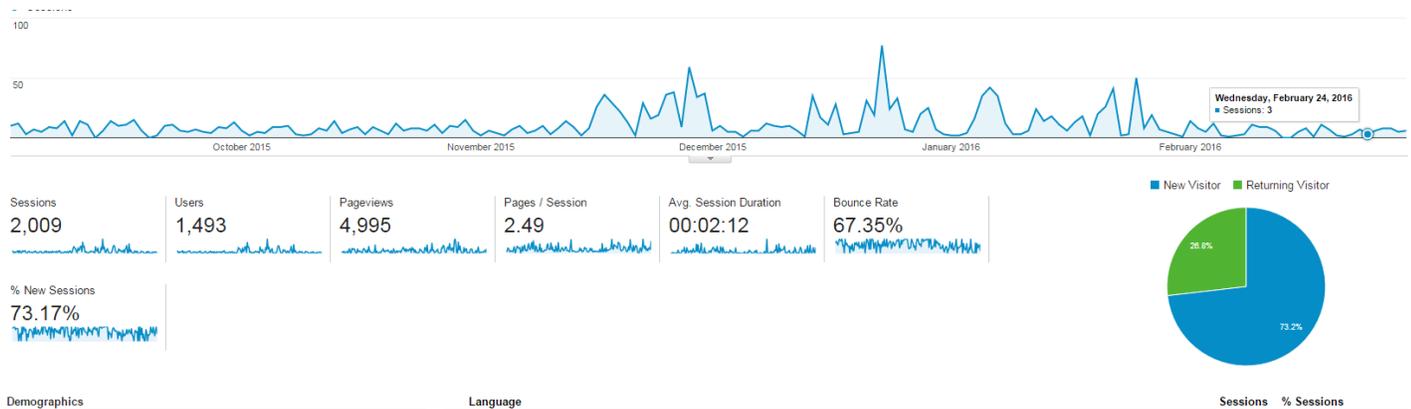
February 2015

- Users: 97
- Page views: 999
- Pages / Session: 4.87
- Avg. Session Duration: 00:05:32
- % New Sessions: 42.44%

February 2016

- Users: 117
- Page views: 631
- Pages / Session: 3.87
- Avg. Session Duration: 00:03:58
- %New Sessions: 59.51%

Website hits during project period (September 1, 2015 – February 29, 2016)



Note increased traffic during project promotion (December) and delivery (January & February).

2.5 COSTS FOR DELIVERY

The costs for delivery were analyzed for both courses. Costs were broken down by:

- University of Victoria administration costs (registration and other admin)
- Instructor fees (instruction and preparation)

Green Shores Training Formative Evaluation and Results

- Travel
- Printing and course materials
- Venues
- Participant fees

ADMINISTRATIVE FEES

- Standard administrative fees for University of Victoria Continuing Studies would apply. The fee of 30% includes staff time, registration, and materials and supplies and was provided to the project as an in-kind contribution by University of Victoria.
- SCBC administrative fees were covered through the Natural Resources Canada project budget.
- Future administrative fees (35%) would be shared between University of Victoria and SCBC.

INSTRUCTOR FEES

- Two instructors taught each course, each presenting different units but both facilitated all activities. Note: given the technical nature of the courses, two instructors are needed for future Level 1 and 2 courses, one highly knowledgeable in Green Shores credits and ratings (Green Shores for Homes and Green Shores for Coastal Development) and their application; one highly knowledgeable in the SCBC Green Shores program and its application.
- Actual instructor hours (per instructor) were
 - Course Delivery 48 hours
 - Course Prep 37 hours
 - Travel 20 hours
 - Total 105 hours**

TRAVEL

- Travel expenses were recovered at cost. Courses were grouped, where possible, to minimize travel time.

PRINTING AND COURSE MATERIALS

- All participants received informational brochures and Green Shores program summaries.
- Overall, Level 2 courses were more cost intensive due to the printing of course materials. For Level 2 courses, all participants received the two Green Shores guides at a cost of approximately \$25/guide (Level 1 participants did not receive Green Shores guides).

VENUES

- Where possible, venues were provided as in-kind contributions by our pilot Green Shores communities (West Vancouver, Powell River) and by University of Victoria (Victoria)
- Hall rental fees were typically in the range of \$300-500/day outside of major urban areas.

PARTICIPANT FEES

Level 1 courses were offered free of charge.

Level 2 courses were offered for \$150/participant and included a light lunch and beverages.

3.0 RECOMMENDATIONS



Word cloud of Level 1 and Level 2 participant responses to most enjoyable parts of the course.

1. Continue to offer training through academic institutions. Both Level 1 and 2 courses should be offered on a continuing basis through University of Victoria Continuing Studies, with the key target audiences of professionals (planners, engineers, landscape architects, biologists, environmental consultants) and shoreline contractors.

2. Adapt Course Blueprints for other target audiences. Unit activities and outcomes for workshops and presentations should be adapted for other target audiences such as homeowners, elected officials, real estate agents. Workshops/presentations should be less time intensive (1 hour to ½ day) and provide an overview of Green Shores rationale and application. Ideally, they would also include field site/demonstration site visits.

3. Seek further funding reduce fees to encourage increased participation in training. Without grant funding, participant fees for a Level 1; one-day course aimed at a professional audience, would be a minimum of \$205 plus GST(including print materials and two instructors) while a Level 2; two-day course that offers more in-depth content, aimed at a professional audience would be a minimum of \$395 plus GST (including print materials and two instructors). Costs for adapted content (eg shorter workshops/presentations) should be covered by through grant fees and offered free of charge to participants.

4. Confirm Memorandum of Understanding with University of Victoria for Level 1 and 2 course delivery in Fall 2016 (promotion Summer 2016). Develop MOU with BCIT for course delivery in 2016-2017.

5. Implement Communications and Knowledge Mobilization Plan. Work with project partners to promote training opportunities within existing channels and seek new opportunities with additional partners.

APPENDIX A: PROJECT ADVISORY COMMITTEES

Curriculum Development Advisory Committee

Val Schaefer	University of Victoria
Brian Emmett	Archipelago Marine Research Ltd
Vince Verlaan	Modus Consulting
Angeline Tillmanns	University of Victoria
Johanna Wolfe	BC Ministry of Environment, Climate Action Secretariat
John Sommerville	Natural Resources Canada
Nikki Elliot	Capital Regional District
Laurie Stott	British Columbia Institute of Technology
Adam Fenech	University of Prince Edward Island
Derek Ellis	University of Prince Edward Island
Cathy LeBlanc	BC Ministry of Community, Sport and Cultural Development
Laura Biggs	University of Victoria
Malcolm McClean	Modus Consulting

Green Shores Technical Advisory Committee

Brian Emmett	Archipelago Marine Research Ltd
Harriet Rueggeberg	Rueggeberg Associates
Gretchen Harlow	SCBC Board of Directors/Conservation & Stewardship Practices Committee
John Readshaw	SNC Lavalin

Climate Action Secretariat – Professionals Group, Green Shores sub-committee

Rebecca Mersereau	College of Applied Biology
Christine Callihoo	Planners Institute of BC
Mark Porter	Chair - BC Climate Change Cttee - APEGBC
Emma Hendry	Association of Professional Engineers and Geoscientists BC (APEG BC)
Emma Talbott	APEG BC
Harshan Radhakrishnan	APEG BC
Bev Windjack	Landscape Architect
Rowland Atkins	Geomorphologist
David Reid	Golder Associates

Green Shores Training Formative Evaluation and Results

Green Shores Local Government Group

Nicole Faghin	Washington Sea Grant
Aleksandra Brzozowski	Islands Trust
Kate Miller	Cowichan Valley Regional District
Sandra Bicego	District of West Vancouver
Deborah Carlson	West Coast Environmental Law
Thomas White	Climate Action Secretariat
Laura Roddan	Powell River Regional District
Jason Gow	Powell River Regional District
Johanna Wolfe	Climate Action Secretariat