



Supporting Shore and People Friendly Shorelines in BC

Presented by:
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Stewardship Centre for BC



GREEN SHORES
FOR
HOMES



STEWARDSHIP CENTRE

FOR BRITISH COLUMBIA

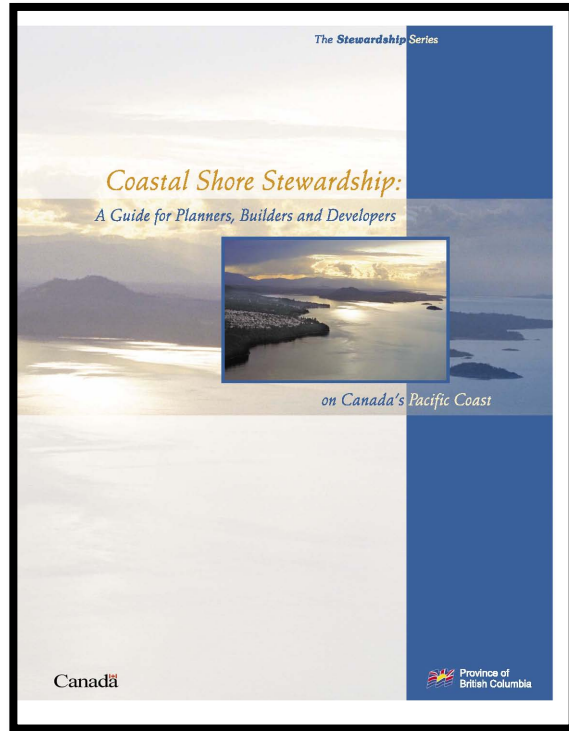
“to **strengthen ecological stewardship** in BC by providing educational, technical and capacity programs and resources to organizations, governments, the private sector, and the general public through **collaborative partnerships**”.



Why are we here today?

To introduce you to the Green Shores program, including its rationale, benefits, and application.

- Project Certification
- Local Government Working Group
- Training





Why Green Shores?

It is a rigorous standard to:

Preserve or **restore shoreline physical processes**

Maintain or **enhance habitat function** and diversity along the shoreline

Prevent or reduce pollutants entering the aquatic environment

Avoid or **reduce cumulative impacts**



Shoreline Challenges





Insects to Orcas

Functioning Lake and Marine shorelines are vital to our most iconic species



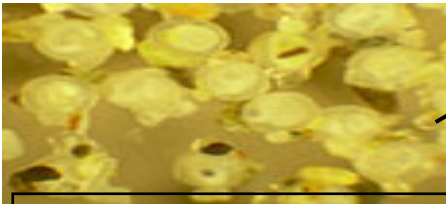
Shoreline vegetation and wrack provide nutrients to produce phytoplankton and zooplankton



Chinook Salmon are a key food source for orca



Green Shores designs strengthen this food chain



Sand lance and Surf Smelt spawn on intertidal beaches



Sand lance are a key food source for chinook



Green Shores BC Pilot

Local Gov't Challenge:

- many other competing interests for resources

Motivator:

- GS fits in CC adaptation planning and shoreline asset management

Property Owners/Developers challenges:

- costs of shoreline protection & lack of understanding of GS

Motivator:

- ecosystem health & reduce risk of property damage

Professional Challenges:

- lack of familiarity of Green Shores option

Motivator:

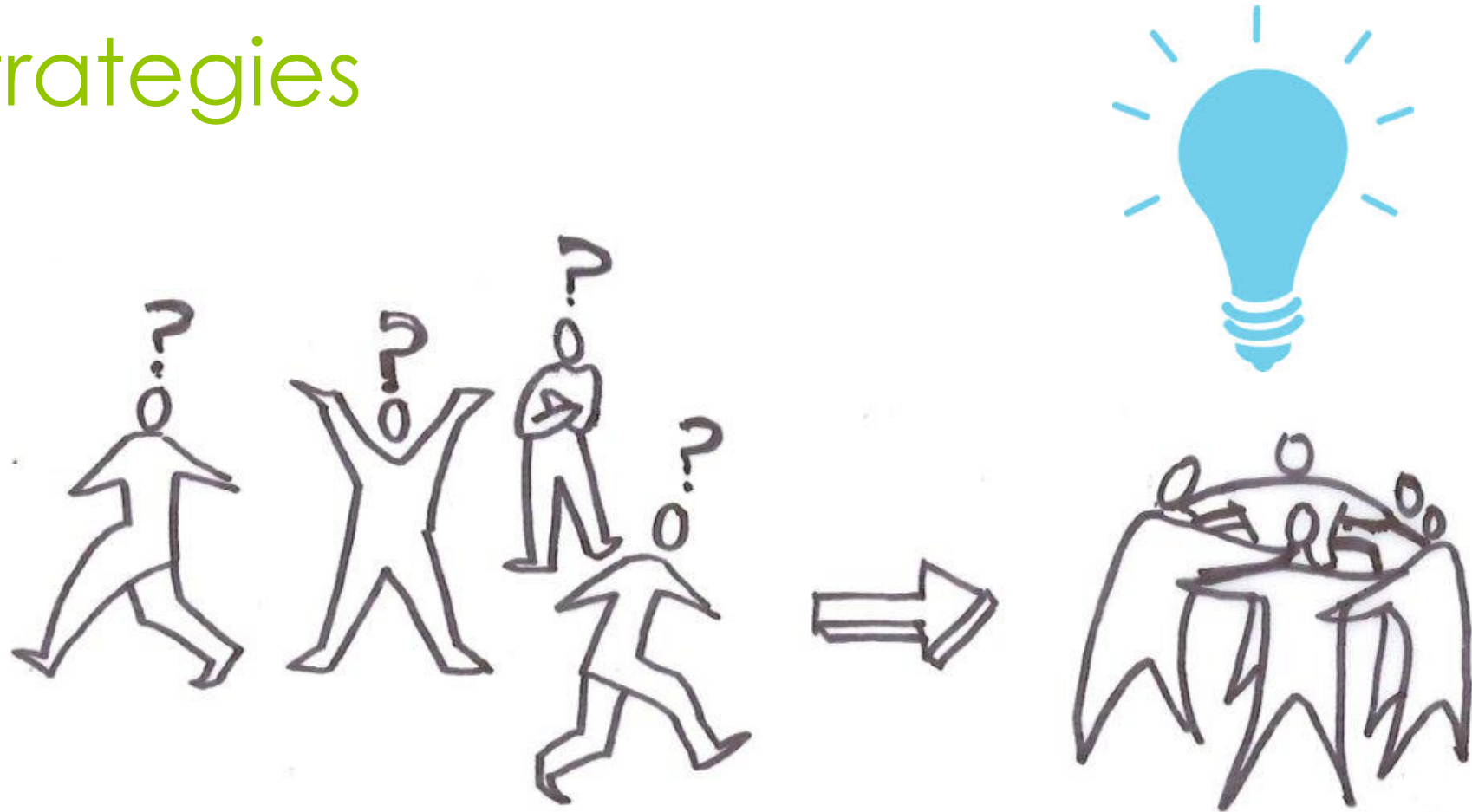
- profitable and desirable for professionals



GREEN SHORES FOR HOMES
PILOT PROJECT SUMMARY REPORT



Strategies





Strategic Action

Guidance Materials - tools to develop properties in a “shore friendly” way

- **Green Shores for Coastal Development**

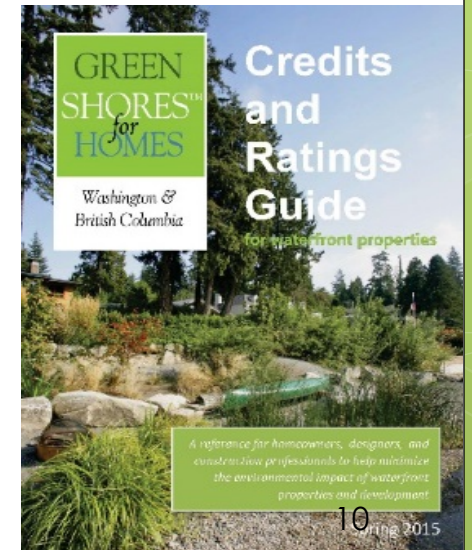
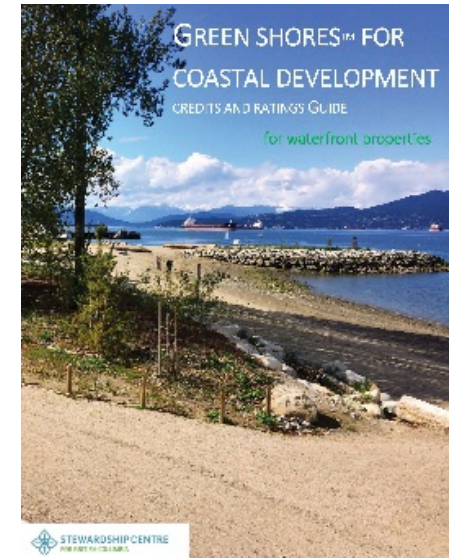
- parks, mixed-use residential, and institutional shoreline properties

- **Green Shores for Homes**

- residential shoreline properties

- Both built on a format similar to Built Green™ and LEED™ using a **credit and rating system**

- Projects can reach Gold, Silver, Bronze



Green Shores for Coastal Development

Credit 1: Site Design with Conservation of Shore Zone

1-3 POINTS

Requirements

1. Designate permanently a minimum of 75% of the shoreline as a 'common area' subject to no development (other than for limited recreational use, as described below).
2. The designated area must have an average width of 30m or greater, measured as the horizontal distance landward of the natural boundary, with a minimum width of 7.5m at any given point.

Interpretive Note

The conservation area/park may be publicly or privately owned but with the primary objective of protecting environmentally sensitive features and shoreline processes and, within those limits, provide for public access and enjoyment.

Points are awarded on the following basis:

Nature of Common Area	Points
Typical urban or community park with pathways, dock, swimming beach, and other human-use facilities	1
Nature park with controlled access – boardwalk, viewing platform, small dock or beach, etc.	2
Conservation area with very limited public access, preservation and enhancement of native vegetation, etc.	3

Different design
options offer
different points





Green Shores for Homes

Example of Point Requirements for Credit 2.4

Woody Material (Guide pg. 66)

Woody material	Base points
Where woody material already occurs along a minimum of 50% of the length of the shoreline, maintain and do not remove more than 10% of that existing woody material.	3
Where woody material is diminished from natural conditions based on nearby reference beaches (see "How to proceed"), add woody material in a way that provides habitat value and is consistent with naturally occurring woody material in the area.	1 point per 10% of length of shoreline occupied by added woody material to a maximum 3 points

Different design options
offer different points



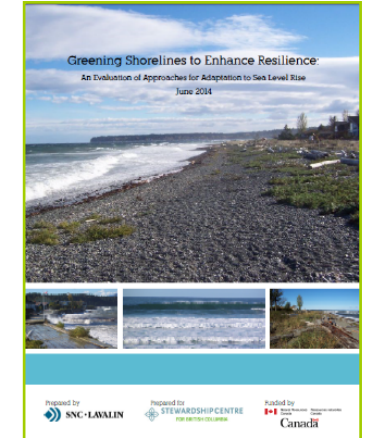
Strategic Action

- **Green Shores Local Government Working Group**
 - 9 member communities across BC (coastal and lake) currently involved
- **Services offered**
 - Green Shores education and training in your community
 - Share resources to minimize “re-inventing the wheel” and maximize volunteer and staff capacity
 - Support for demonstration projects
 - Benefits of leveraged funding and in-kind support
- **Ongoing enrollment**



Strategic Action

- Complete Research Reports and Develop Resources
- Shoreline Project Certification
 - Project enrollment and verification
- Education and Training
 - Training Workshops (Levels 1,2, 3)
 - Outreach to expand awareness of Green Shores



*Learning that shapes
who you are.*



BRITISH COLUMBIA
INSTITUTE OF TECHNOLOGY



BEFORE



AFTER



Get in Touch



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- www.greenshores.ca and
www.greenshoresforhomes.org
- See websites for some great videos on GS