

Cowichan Lake Shoreline Stewardship Project 2014

- Overview of Presentation:
 1. What are the origins of this project
 2. What are the projects goals (by 2017)
 3. What did we accomplish in 2014
 4. What support do we need from this “Roundtable”



Shoreline Inventory Reports for Cowichan Lake



British Columbia
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Cowichan Habitat

Foreshore Invento



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Cowichan Lake Shoreline Fish Habitat & Population Survey-Winter 2012-2013

Addendum to the Foreshore and Inventory Mapping Project (2012)



Cowichan Lake Erosion ment

mprey
Habitat Use

2012

WOOD LEIDAL
associates Limited
ENGINEERS

What Did We Learn at the April 24-25 2013 Workshop ?



Cowichan Lake Shoreline Management Workshop

Outputs from Workshop April 24-25, 2013



CSSP Project Goals - 2017

- Restore over 1,000 linear meters of shoreline or 15,000 square meters of habitat.
- Conduct 300 lakeshore property visits/inspections to educate owners/occupants.
- Form partnerships with private lakefront landowners to permanently protect 15 km of shoreline/riparian areas.
- Engage youth and the broader community in our stewardship efforts to create the cultural shift required to protect shoreline ecological values in the future

Methods - 2014

- Landowner education;
- Shoreline restoration and demonstration projects; and
- Community engagement.



Landowner Education-Survey



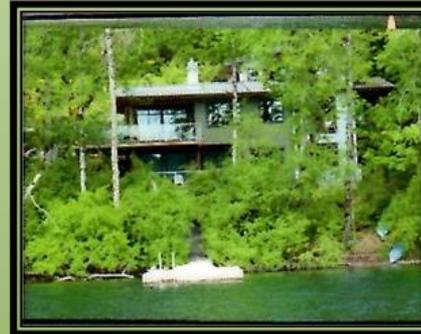
#1



#4



#2



#5



#3

Pictures of Cowichan Lake Properties used for Opinion Survey.

1. Shoreline Cleared of all Native vegetation and unobstructed view
2. Shoreline mostly cleared with retaining wall.
3. Shoreline partially cleared with beach
4. Shoreline vegetation intact with ramp access to dock
5. Shoreline vegetation intact with small trail to beach and small dock

Landowner Education-Results

- Awareness →



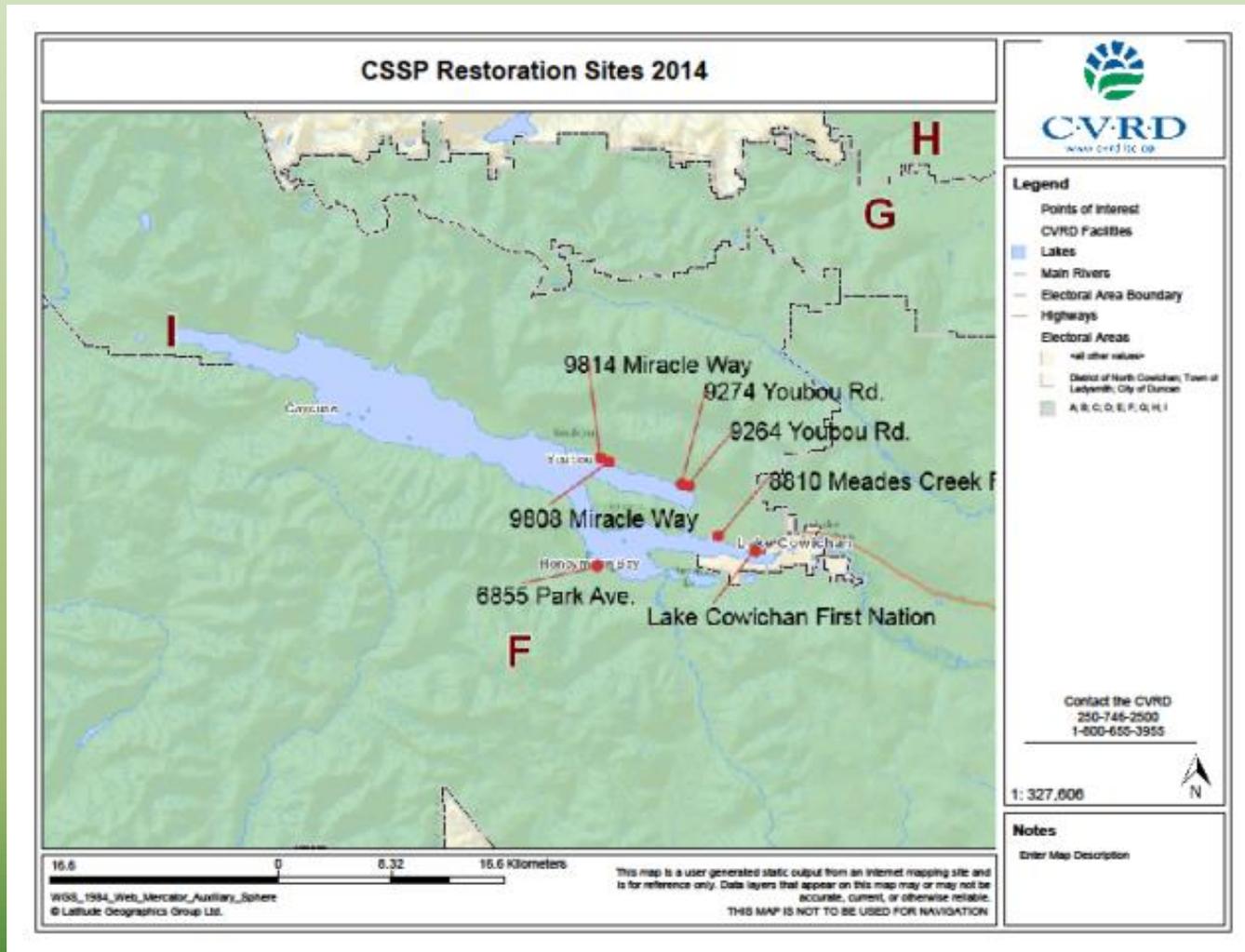
- Knowledge →



- Preferences →



Shoreline Restoration



Shoreline Restoration

(Top 10 Native Plants Used)

Rank	Plant Name (Common)	Plant Name (Scientific)	Preferred Planting Conditions	Total Number of Plants Used	Number of Sites Where Plant Used	Size of Plants (gallons)	Cost /Plant
1	Swordfern*	Polystichum munitum	shade/sun/wet	485	7	2	4.75
2	Nootka Rose*	Rosa nutkana	sun/wet	318	6	1	4.75
3	Hardhack*	Spiraea douglasii	sun/wet	250	6	2	8.50
4	Red Osier Dogwood*	Cornus stolonifera	Shade/sun/moist/wet	225	5	2	4.75
5	Slough Sedge*	Carex obnupta	shade/sun/wet	190	4	1	4.75
6	Salal'	Gaultheria shallon	shade/dry	140	4	1	4.75
7	Sweet Gale*	Myrica gale	sun/wet	130	6	2	8.50
8	Salmon Berry*	Rubus spectabilis	Shade/sun/wet	125	2	1	4.75
9	Red Flowering Currant'	Ribes sanguineum	sun/moist	113	5	2	9.50
10	Pacific Ninebark*	Physocarpus capitatus	sun/moist	70	3	3	8.50

* classified as "wet site" plants by Dave Polster

' classified as "dry site" plants by Dave Polster

Community Engagement

	CLRSS Community Stewardship Activities 2014
Youth Lake Cowichan School	Assist in developing a curriculum for “Watershed Studies” in the school’s science program
	Establish a Lake Studies Committee
	Develop a Guest Speaker Series in LCS classrooms
	Hire students as workers on CSSP site restoration projects
	Link lake stewardship activities with Outdoor Education Program
Community Engagement	Keep the local governments and elected officials informed about CSSP
	Establish a mascot for lake & river stewardship “Oxford the Otter”
	CSSP signage at shoreline restoration sites throughout the community
	Year-round promotion of CSSP at community events and in the local media
	Enhanced CLRSS website as “source of information” about the lake’s environmental values
	Encourage partnerships with local businesses and forest companies
	Encourage “Green Shores” as a new approach to shoreline development and CVRD land use permitting

How Can the Water Stewardship Roundtable Help?

CSSP Project Goal:

Form partnerships with private lakefront landowners to permanently protect 15 km of shoreline/riparian areas.

- Shaw Creek
- Timberwest
- CVRD

Gerald Has High Expectations.
We Have to Get Busy!

