

# Cowichan Shoreline Stewardship Project (CSSP)

Phase 1: 2014-2015-2016

Phase 2: 2017-2018-2019





Phase 1  
23 properties on the lake and river  
were restored in the first 3 years of  
CSSP.

**2014**

- **9808 Miracle Way, Youbou**
- **9814 Miracle Way, Youbou**
- **8810 Meade Creek Road**
- **9274 Youbou Road**
- **Lake Cowichan First Nation (North Shore Road)**
- **6855 Park Avenue, Honeymoon Bay**
- **9264 Youbou Road**



All properties were completed at the request of the owner.

## 2015

- 10650 Lake Boulevard, Youbou
- 7990 Greendale Road, Lake Cowichan
- 77 North Nelson Road Lake Cowichan
- 10013 March Road, Honeymoon Bay
- 125 South Shore Road (Saywell Park)
- 109 South Shore Road (Jake's)
- 87 North Nelson Road, Lake Cowichan
- 9284 Youbou Road
- 9188 Meade Creek Road



Often, invasive species had to be removed before planting.

## 2016

- 61 South Shore Road, Lake Cowichan
- 8012 Greendale Road (Greendale Cabins)
- 92 Stanley Road, Lake Cowichan
- 10294 Youbou Road
- 10582 Maple Ridge Road, Youbou
- 5608 Riverbottom Road, Sahtlam
- 8151 Sa-seen-os Crescent, Youbou
- 10558 Willow Road, Youbou



Phase 2  
The BCCF is now responsible for the  
restoration component; 8 more properties  
were done in 2017.

## 2017

- 10334 Youbou Road, Youbou
- 10551 Coon Creek Road, Youbou
- Spring Beach, Meade Creek Road
- 8000 Greendale Road, Lake Cowichan
- 50 Prospect Road, Lake Cowichan
- 8815 Lakeview Road (Lakeview Park)
- 7060 Forestry Road (Research Station)
- Gordon Bay Provincial Park, Honeymoon Bay

# Major results of CSSP to the end of 2017

restoration of 8 167 square metres and 971 linear metres of riparian habitat;

planting of 4 570 indigenous riparian plants on the foreshores of 22 properties;

completion of 282 visits with lakefront property owners to discuss riparian values;

completion of 7 riparian tours of subject properties.

Riparian Tours are conducted by the Project Manager for board members, landowners, local politicians, funders, realtors, and other interested parties.



# Paradise Village RV Park 6855 Park Avenue Honeymoon Bay

**Before (2014)**



**After (2017)**





# 9188 Meade Creek Road

**Before (2015)**



**After (2017)**





# CSSP 2018

- Another 6 properties were restored in 2018, 4 on the river and 2 on the lake.
- Additional work was done at the Forest Research Station as well.
- The crew and volunteers did additional plantings at Lakeview Park and maintenance work at a 2014 property.

# 8334 Sa-seen-os Road, Youbou

**Before (June 28, 2018)**



**After (October 26, 2018)**



Plants are purchased from Streamside Native Plants (Bowser) and Green Thumb (Nanaimo) using money obtained from grant applications. All riparian species used are common to the Cowichan Lake shoreline ecosystem.





Local secondary students are hired in the summer months.





The plants are placed in a deep hole and watered thoroughly.





## 41 Somenos North, Lake Cowichan

Sections of the riverbank are eroding due to disturbance of the soil.

Invasive species that had replaced most of the native riparian species do not have deep root systems.



The crew removed invasive species, replacing them with native plants. The new plants were caged to prevent browsing.



Red-osier dogwood live stakes were used to stabilize the riverbank.





10638 Youbou Road

- Riparian plants that thrive under water were placed on the foreshore.
- Upland native plants were placed above the retaining wall.



The plants are watered using buckets from the lake and soaker hoses.





# Cowichan Lake Forestry Research Station

- The research station has an extensive foreshore. It donated 2 286 square metres of this for the project.
- Some of this was re-vegetated with submergent species in the summer of 2017.
- Additional planting on the site was done in the summer of 2018.

In 2017, the research station grew 500 live cuttings of willow and red osier dogwood to be used for 2018 sites.



Volunteers helped the crew do maintenance work on a 2014 property by removing St. John's wort and periwinkle.



Volunteers also helped the crew do additional planting at Lakeview Park, a 2017 property.





## Riparian Tour October 26, 2018

- Sites visited demonstrated the riparian species and planting methods used in CSSP riparian restoration.
- Two of the sites were done in 2018, one was done in 2017, and one was done in 2015.
- Two of the sites were on the lake and two were on the river.
- The tour targeted local realtors.



The tour included visits to 4 sites that demonstrated a variety of riparian prescriptions, planting techniques, and foreshore conditions (removal of riparian vegetation, erosion, and proliferation of invasive plants.)





On this property, riparian vegetation had been completely removed from the foreshore. It was planted with sub-mergent riparian species that thrive during annual high water.

Here, a section of Utility Creek and the lake's foreshore had been significantly altered by private property development. The creek was replanted with species commonly found along creeks with southern exposure and no shade.



This property on the river had experienced significant erosion. Invasive plants were removed from the bank and replaced with native plants. The immediate foreshore was staked with red osier dogwood.



This property on the river, first planted in 2015 with the intent to improve fish habitat, is doing very well in 2018.



Owners express satisfaction with their project.



# Cowichan Shoreline Stewardship Program

The Cowichan Shoreline Stewardship Program engages local youth and landowners in riparian habitat restoration


Restoration at this site included:

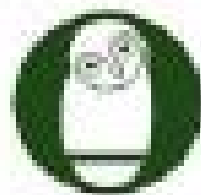
Removal of invasive plant species

Transplanting native species, such as red-osier dogwood, willow, poplar

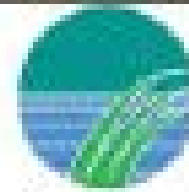
Live-staking, a bioengineering technique



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Cowichan Lake & River  
Stewardship Society