# It's a dirty job but someone has to do it: an environmental contractor's perspective on restoring wetlands on an old golf course on Salt Spring Island

Presented by: Christopher Drake





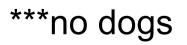
#### BLACKBURN LAKE NATURE RESERVE - purchased 2013

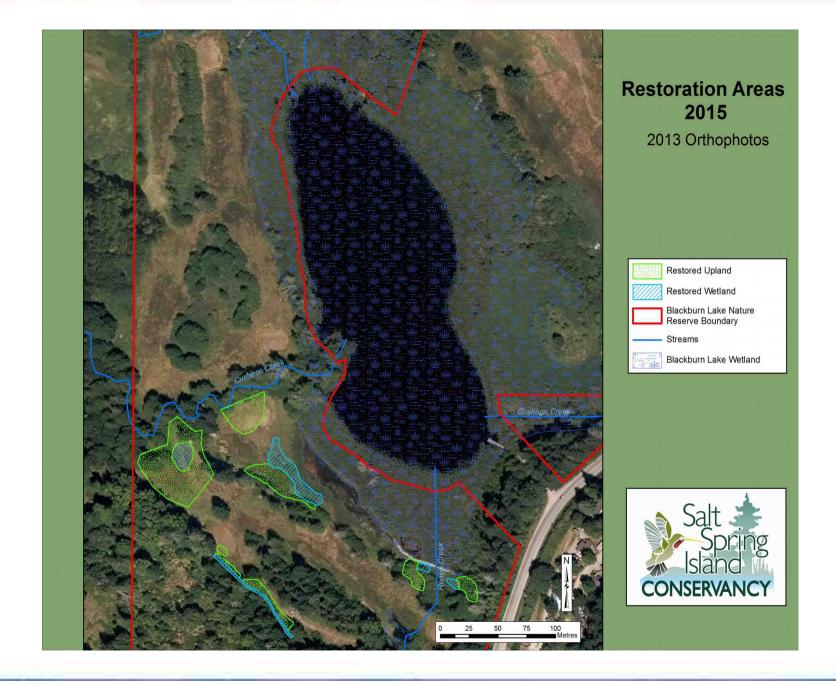
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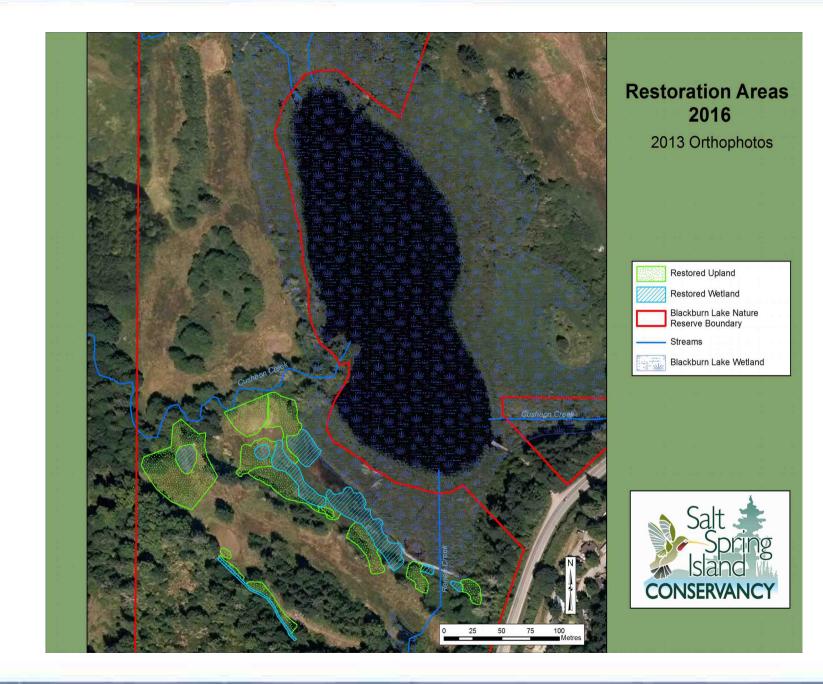
#### Blackburn Meadows Golf Club

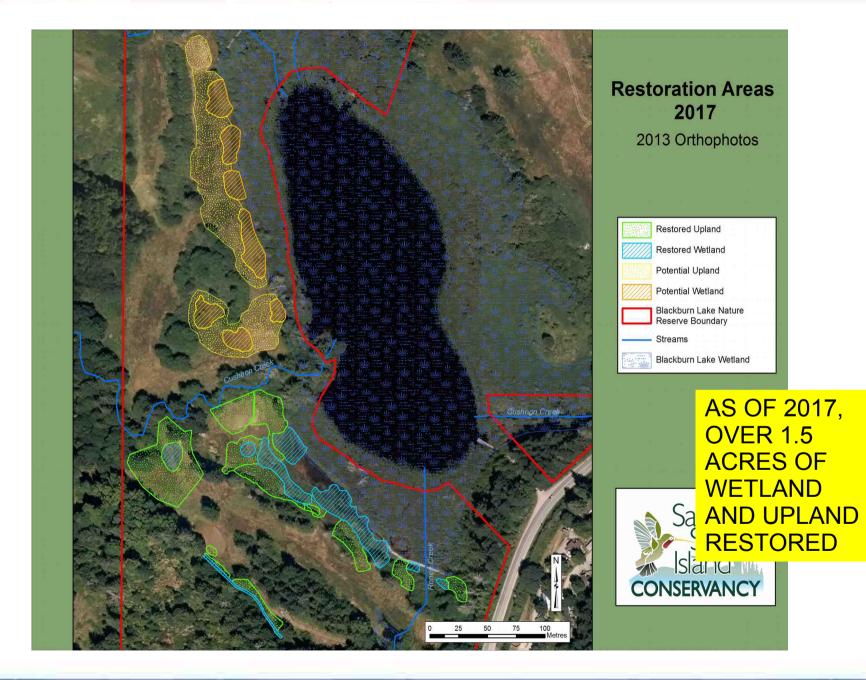








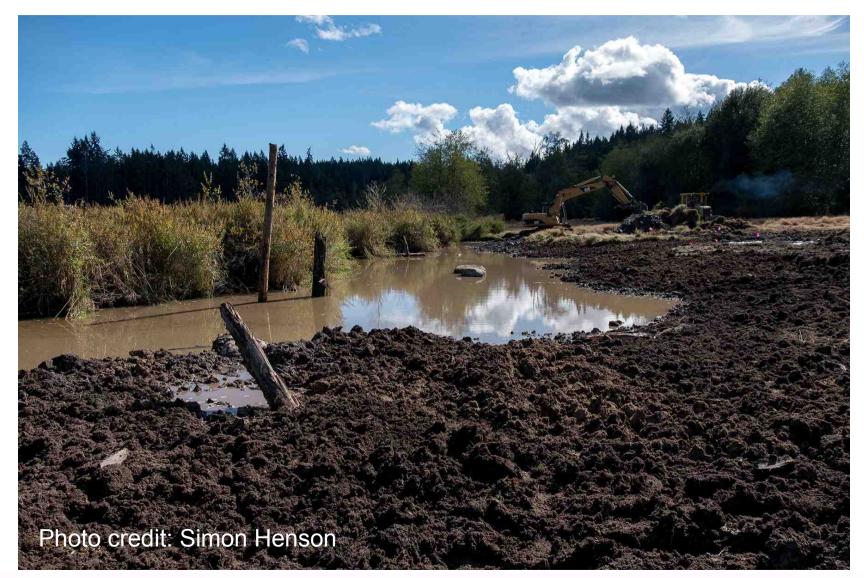




## **EXCAVATION**



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#### **Excavation**



#### PLANTING AND FENCING



Wetland restoration volunteers extraordinaire! >10,000 plants from 55 species Photo from www.saltspringconservancy.ca Fences
within fences
– extreme
deer pressure



10

## MULCHING



2017.10.05

#### **INVASIVE PLANT CONTROL**



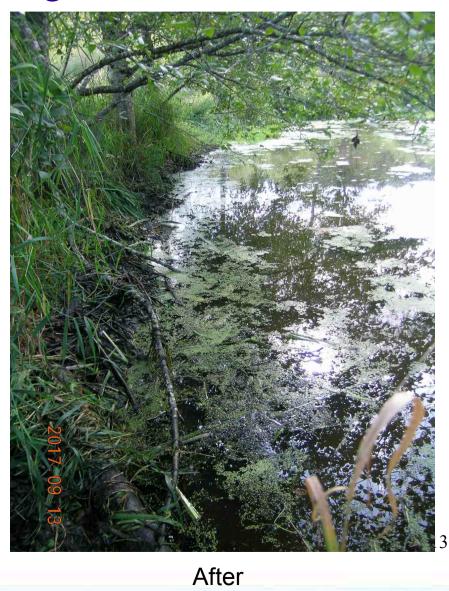
English Holly
Scotch Broom
Himalayan Blackberry
Yellow-Flag Iris
Reed-canary Grass and other Grasses

Thistle

- Foxglove
  - Mullein
  - etc etc

## Yellow-Flag Iris





Before

#### WILDLIFE HABITAT ENHANCEMENT

\*Beavers and Bats\* - 8 bat spp – highest on island

#### New bat species recorded in Canada: Brazilian Free-tailed Bat (*Tadarida braziliensis*)



## Northern Red-legged Frog (Rana aurora)



#### Streambank restoration



USING ONLY WILLOW STAKES AND LEAF MULCH!

## MAKING A LIVING AS AN ENVIRONMENTAL CONTRACTOR



### FUTURE IS BRIGHT!....BUT WHO ARE WE?

- \*Environmental contractors?
- \*Restorationists? Restorers?
- \*Property Stewards? Environmental Steward?
- \*Environmental/Biology Consultants?
- \*Green-necks?

### How did I get here?

Graduated Secondary School – 1988

Diploma in Recreation, Fish and Wildlife Technology, Selkirk College, Castlegar BC – 1997

BSc in Environmental Biology, University of Alberta, Edmonton – 2004

MSc in Ecological Marine Management, Vrije Universitait Bruxelles, Belgium – 2009

NOT THE STANDARD PROFESSIONAL TRAJECTORY

 BUT: lots of other experiences that are helpful to being an environmental contractor:

\*construction \*treeplanting, silviculture \*Grateful Dead \*travelling \*volunteering \*technology and business training \*ski mountain and park work

## **Becoming an Environmental Contractor**

FIND YOUR NICHE: \*Concentrate on relationships within your community

\*Volunteer

\*Stay true to your ideals

\*Take courses – eg small business

\*Go to conferences!

### **OTHER COAST ALIVE SERVICES**

#### ENVIRONMENTAL STEWARDSHIP OF THE HIGHEST ECOLOGICAL QUALITY

Invasive Plant Control and Restoration Controlling invasive species is our specialty. Coast Alive works in all weather conditions to complete plant removal, soil remediation, and planting programs.

Other Environmental Stewardship Services Wildlife habitat enhancement is achieved through creating healthy landscapes that provide food, shelter, protection, and water.

Wildfire hazard risk reduction removes forest fire fuels while beautifying your property by opening up shaded and unproductive areas.

And ecological research, from experiment design to data analysis, lets property owners monitor the health of their land.

<u>Recreational Services - Trails, Campsites, Boardwalks, Etc</u> Enjoy the beautiful features of your property in a low-impact manner. Coast Alive Services has extensive experience in trail building and maintenance, campsite construction and campground maintenance, boardwalk construction and more.

Natural Landscaping and Gardening Completed projects include rockwall terracing and patios, raised beds, and pathways.

About and Contact

## A Culture of Restoration: A Politics of Belonging

## OUT OF THE WRECKAGE

A NEW POLITICS FOR AN AGE OF CRISIS

GEORGE

IONBI

IS THE COOPERATIVE BUSINESS MODEL THE KEY? - pool resources, better security, ability to bid on larger projects – increase influence, make lasting change

## THANKS, AND HAVE A GREAT CONFERENCE!







#### Some species-at-risk found at BLNR



Blue Dasher

Townsend's Bigeared Bat



Northern Pygmyowl Barn Swallow Swamp Fingernail Clam