

BC Lake Stewardship Society

Clean, healthy lakes.

Kristi Carter, *Project Coordinator* kristic-bclss@shaw.ca
 Carolyn Johns, *Project Coordinator* carolynj-bclss@shaw.ca

#4 – 552 West Avenue
 Kelowna, BC V1Y 4Z4

Website: www.bclss.org
 Toll Free: 1-877-BC LAKES



Who is the BCLSS?

- Registered non-profit society dedicated to the preservation and protection of British Columbia's lakes
- Made up of lakeshore residents, community groups, students, government, and environmental professionals

Lac des Roches Rick Joyce

Vision

Clean, healthy lakes throughout British Columbia that provide good drinking water and quality habitat for aquatic life, wildlife, and people

Bowron Lake

Mission

To act as a resource, communication, and information network among scientists, environmental professionals, lakeshore residents, the general public, First Nations, and government agencies in order to preserve, protect, and restore lakes in British Columbia.

Moberly Lake

Fundamental Values


The preservation, protection, and restoration of lakes throughout British Columbia.

Upper Arrow Lake

Past BCLSS Projects

Okanagan and Christina Lakes Foreshore Project (2001 – 2003)

- 1500+ site assessments at private lakefront properties
- 2700+ lakefront landowners educated
- 5 shoreline restoration projects completed
- 252 native plants/trees/shrubs planted
- 117 people signed the shoreline ambassador pledge



Past BCLSS Projects

Bertram Park Restoration (2003)

- Over 200 native species planted along shoreline
- Viewing platform constructed along shoreline



Current BCLSS Projects – Overview


1. BC Lake Stewardship and Monitoring Program (BCLSMP)
2. Coordination of BC's participation in the Great North American Secchi Disk Dip-In
3. LakeKeepers manual, and creation of LakeKeepers training course



Current BCLSS Projects

BCLSMP (BC Lake Stewardship and Monitoring Program)

- ⌘ Partnership with the Ministry of the Environment
- ⌘ Province-wide volunteer lake monitoring program
- ⌘ Started in 2003, guaranteed funding until 2009
- ⌘ New component for 2006/07 – Aquatic Plant Mapping Program

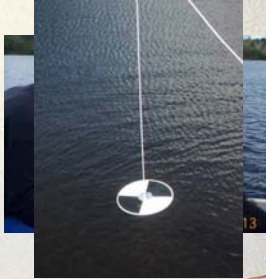


Osoyoos Lake

Current BCLSS Projects

BCLSMP Objectives

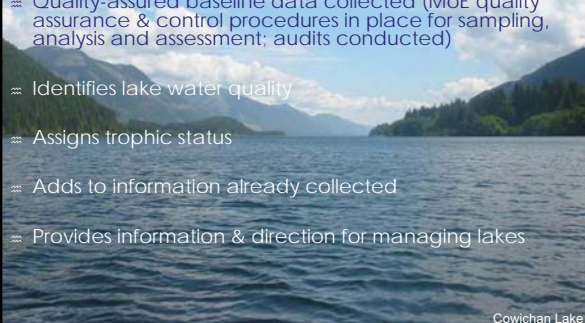
- ⌘ Strengthen volunteer stewardship sector in British Columbia (provide training, enable volunteers to collect QA/QC data)
- ⌘ Expand BC's participation in the Great North American Secchi Disk Dip-In



Current BCLSS Projects

BCLSMP - Benefits of Monitoring

- ⌘ Quality-assured baseline data collected (MoE quality assurance & control procedures in place for sampling, analysis and assessment; audits conducted)
- ⌘ Identifies lake water quality
- ⌘ Assigns trophic status
- ⌘ Adds to information already collected
- ⌘ Provides information & direction for managing lakes

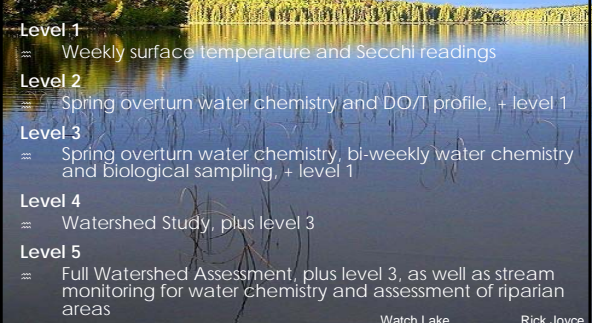


Cowichan Lake

Current BCLSS Projects

BCLSMP - Levels of Lake Monitoring

- Level 1**
 - ⌘ Weekly surface temperature and Secchi readings
- Level 2**
 - ⌘ Spring overturn water chemistry and DO/T profile, + level 1
- Level 3**
 - ⌘ Spring overturn water chemistry, bi-weekly water chemistry and biological sampling, + level 1
- Level 4**
 - ⌘ Watershed Study, plus level 3
- Level 5**
 - ⌘ Full Watershed Assessment, plus level 3, as well as stream monitoring for water chemistry and assessment of riparian areas




Watch Lake Rick Joyce

Current BCLSS Projects

BCLSMP - Other data collected

- ≡ Visual observations
- ≡ Climate change
 - Lake level changes
 - Temperature profiles
 - Ice-on & ice-off



Trapp Lake Rick Joyce

Current BCLSS Projects

BCLSMP – Commitments

<p>BCLSS:</p> <ul style="list-style-type: none"> ≡ Training, equipment & support ≡ Data analysis & reporting 	<p>Volunteers:</p> <ul style="list-style-type: none"> ≡ Consistent monitoring ≡ Follow protocol ≡ Send data to Ministry and/or BCLSS
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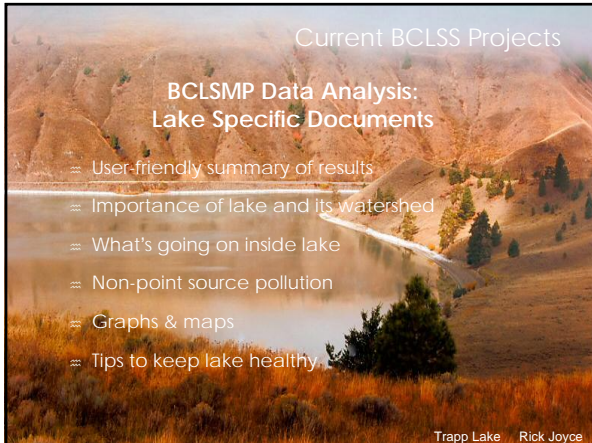


Somenos Lake monitor

Current BCLSS Projects

BCLSMP Data Analysis: Lake Specific Documents

- ≡ User-friendly summary of results
- ≡ Importance of lake and its watershed
- ≡ What's going on inside lake
- ≡ Non-point source pollution
- ≡ Graphs & maps
- ≡ Tips to keep lake healthy




Trapp Lake Rick Joyce

Current BCLSS Projects

BCLSMP Results to Date

- ≡ Increased number of lakes participating in the Secchi Dip-In to 74 (2007 to date), up from 26 (in 2002)
- ≡ 80 lake groups trained to collect data
- ≡ 38 lakes reporting Ice-on/Ice-off dates
- ≡ 23 Lake Specific Documents produced (and 12 in progress)



Current BCLSS Projects

<h4>LakeKeepers Manual</h4> <ul style="list-style-type: none"> ≡ Lakeshore resident's guide to the stewardship and monitoring of lakes ≡ Available for purchase through the BCLSS office ≡ Manual produced through funding from DFO 	<h4>LakeKeepers Training Course</h4> <ul style="list-style-type: none"> ≡ Interactive workshop currently in final stages of development ≡ Will be offered by trainers throughout the province of BC ≡ "Train the Trainers" workshop held in Victoria in April 2007 ≡ Pilot planned for 2008
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Nicolai Lake Rick Joyce

New BCLSS Initiative

Aquatic Plant Mapping Program



- ≡ Volunteer-based program currently under development
- ≡ Pilot session planned for 2008

BCLSS Membership



Currently: 47 groups & 62 individuals

Benefits:

- ⌘ Quarterly newsletters & monthly e-newsletter "The Loonie News"
- ⌘ Free Secchi disk
- ⌘ Insurance for volunteer lake monitors
- ⌘ Training & support
- ⌘ Discounts on conference fees & workshops

Thank you to our generous Funders and Sponsors:



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