

Member Clubs Education Survey, Summary Version

January 28, 2014 – May 31, 2015



Acknowledgements

Special thanks to Kristine Webber, Shanna Sinclair, Sarah Brookes and Bev Ramey for their time, expertise and support to develop, distribute, analyze and compile the survey. Thank you to each of the Member Clubs who took the time to complete the education survey. We appreciate the financial support of BC Nature to fund the web tool Survey Monkey and provide Shanna Sinclair to assist.

Prepared by Margaret Cuthbert, Chair, Education Committee and Sarah Brookes, FoSBS volunteer, April/May 2015

Exclusions

To the best of our ability we have notated all input received from the Member Clubs from January 2014 until June 1, 2015 and if submitted information is missing, we apologize.

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Executive Summary

A BC Nature Education Survey for all Member Clubs was sent out in January 2014 with a request for their input on the educational activities, products and accomplishments of their club. This information is to assist BC Nature to document the extent of and an understanding of educational activities by the clubs and how BC Nature can assist their efforts in the future. 44 clubs responded and a final request went to remaining clubs in March, 2015 and a request for final edits by June 1, 2015. Unfortunately, the report is missing some responses, but the overall response rate was 83%. Hopefully all clubs will input our next request for information. The draft Final Report was compiled and submitted to the Executive and BC Nature Club Directors for the May 2015 Annual General Meeting. Final edits were received and inserted in June 2015.

Did we reach the goals of the Educational Survey as stated in this report? Emphatically yes. And what have we learned from the Educational Survey? BC Nature Club Members have and continue to contribute thousands of hours of their time, knowledge and resources to their regions to promote nature knowledge.

The survey was an excellent tool for members to share these accomplishments with us. We learned that clubs produce most of their own brochures and power point presentations and a whopping 74% have been involved in developing interpretive signage in their community. The majority of clubs provide speakers, field trips and workshops for members and the public and are participating in festivals, citizen science and habitat restoration.

Member clubs involved in school programs focus mostly on the early and elementary years which while highly commendable may be missed opportunities to reach senior students to assist with projects and engage them in nature.

One quarter of the club respondents actively recruit youth and provide programs. The other three quarters of clubs may be missing opportunities to connect with youth to involve them in their club activities, membership and club succession. Less than half the clubs are involved with the Young Naturalists Club (YNC), now called Nature Kids at this writing, but eight clubs expressed an interest to be involved and support one.

Member Clubs overall identified a great need for public awareness of nature in their regions and with Ministry of Education financial cutbacks club members are needed more than ever.

A simple analysis (listing) of survey results is included in this report to enumerate various educational products, programs, activities and community outreach that members provide. Member clubs are noted by their acronym as provided by the BC Nature office in the listing unless edited by input from that club. Maps are enclosed showing where Member Clubs are located geographically.

The Education Survey also provided members an opportunity to notate their club needs so that BC Nature may offer more support. In summary the needs are: speaker lists, trip suggestions, identification materials, outdated BCN magazines, more volunteers, promotional and funding support and resources. Interestingly, a few requests go back to the 1980's BC Nature Education Committee.

Goals

The purpose of the Education Survey was to:

- a. fulfill one of the goals of the 2010 – 2015 Strategic Plan to gain a “Knowledge of Nature – to harness nature knowledge of members and clubs to document and communicate nature knowledge.”
- b. learn the extent of member club naturalists educational activities and to gain a better understanding of education activities in the province.
- c. learn how BC Nature can better support club efforts.
- d. gain more regional knowledge from clubs of what government agencies (national, provincial, municipal parks, environment, natural resources) and other organizations such as non BC Nature clubs and businesses offer in nature knowledge to their local community.

Strategy and Activities

In order to “harness nature knowledge of members and clubs to document and communicate nature knowledge”, a decision was made to use the tool ‘Survey Monkey’, a relatively easy to use, web based tool. Expertise was essential and under the tutelage of Kristine Webber, Executive Director of the Young Naturalists Club, the educational survey was developed and applied into the program. Without Kristine’s generous support of time and expertise, the education survey would not have been accomplished.

Once the education survey was active, Kristine offered additional support by conducting the first email broadcast on January 28th, 2014 to all the Member Clubs Directors requesting they or their Education Chair complete the survey by late February. Requested information on the educational activities, products and accomplishments of their club is to assist BC Nature to document the extent of and an understanding of educational activities by the clubs and how BC Nature can assist their efforts in the future.

To accomplish a complete education survey from Member Clubs, activities included the mail out of hard copy surveys and fielding queries via telephone which Bev Ramey kindly volunteered to do. We also replied to numerous emails and then transcribed the mailed, hard copy surveys into the Survey Monkey on behalf of clubs experiencing difficulty with the web tool.

Requests by email were again sent out March 4th, April 11th and May 25th with the majority of clubs responding by then. The 13 unresponsive Member Clubs were then individually emailed requesting their input on July 20th and 30th and again August 12th, 2014. One club completed their survey in October. One last email request was sent out to the individual clubs on March 4, 2015. We recently learned 3 clubs are no longer active, leaving 5 Member Clubs to not respond.

Unfortunately, though the report is missing some responses, the overall response rate was 83%. Hopefully all clubs will input our next request for information. We proceeded to compile the draft Final Report and submitted it to the Executive and BC Nature Club Directors for the May 2015 Annual General Meeting.

We began an analysis (listing) of the completed surveys in August 2014 by developing a template word document that would summarize member clubs educational products, activities /programs, surveys and citizen science, school programs, Young Naturalists Club involvement, habitat enhancement projects, conservation of land, knowledge of other organizations and clubs offerings, identification of nature education needs in their region and their club needs for BC Nature support. Shanna Sinclair contributed over sixty hours allocating input to subject and preparing maps. Sarah Brookes contributed over 12 hours assisting with the Survey Monkey tool in preparation for the Education Survey draft and Final Report.

BC Nature Member Clubs

The following is a list of the BC Nature Member Clubs and their acronyms to use in reviewing the summary analysis (listing) below. We do not have information for those in brackets.

Abbotsford-Mission Nature Club (AMNC)
Alouette Field Naturalists (AFN)
Arrowsmith Naturalists (AN)
Bowen Nature Club (BNC)
Bulkley Valley Naturalists (BVN)
(Burke Mountain Naturalists (BMN))
Central Okanagan Naturalists Club (CONC)
Chilliwack Field Naturalists (CFN)
Comox Valley Naturalists Society (CV)
Cowichan Valley Naturalists Society (CS)
Delta Naturalists' Society (DNS)
Fernie Nature Club (FNC)
Friends of Semiahmoo Bay Society (FoSBS)
Kamloops Naturalist Club (KNC)
Kamloops Thompson Trail Alliance (KTTA)
Kitimat Valley Naturalists (KVN)
Langley Field Naturalist Society (LFN)
Lillooet Naturalist Society (LNS)
Little Campbell Watershed Society (LCWS)
(Mackenzie Nature Observatory (MNO))
(Nanoose Naturalists (NanN))
Nature Vancouver (NV)
Nicola Naturalist Society (NNS)
North Okanagan Naturalists' Club (NONC)
North Shuswap Naturalist Club (NSNC)
Northern Amphibians Naturalists Society (NANS)
Oliver-Osoyoos Naturalists (OON)
Pender Harbour and District Wildlife Society (PHDWS)
Pender Island Field Naturalists (PIFN)
Prince George Naturalists Club (PGNC)
Quesnel Naturalists (QN)
(Rithet's Bog Conservation Society (RBCS))
Rocky Mountain Naturalists (RMN)
Rocky Point Bird Observatory (RPO)
(Royal City Field Naturalists (RCFN) not active)
Saltspring Trail and Nature Club (STNC)
Shuswap Naturalists Club (SNC)
South Okanagan Naturalists' Club (SONC)
Squamish Environment Conservation Society (SECS)
Stoney Creek Environmental Committee (SCEC)

Sunshine Coast Natural History Society (SCNHS)
Surrey Environmental Partners (SEP)
Timberline Trail and Nature Club (TTNC)
Vermilion Forks Field Naturalists (VFFN)
Victoria Natural History Society (VNHS)
West Kootenay Naturalists' Association (WKNA)
Whistler Naturalist Society (WNS)
(White Rock and Surrey Naturalists Society (WRSN))
Williams Lake Field Naturalists Society (WLFN)
WildResearch (WR)
Yorkson Watershed Stewardship Committee (YWSC)

Summary Analysis (Listing) of the BC Nature Education Survey of Member Clubs

Educational Products Produced by Clubs

Books:

1. Birds of Langley, Plants, Wild about Wild Plants (for children), Plants, Plants of Langley, Langley, LFN
2. Georgia Basin Habitat Atlas: Boundary Bay, Boundary Bay, FoSBS (CMN, Anne Murray & project partners)
3. Kalamalka Lake, Kalamalka Lake Provincial Park, North Okanagan, NONC

Books published separate from club

1. Nature Guide to Boundary Bay, Boundary Bay, Anne Murray

Brochures:

A. Bats – no title, Lillooet, LNS

B. Birds -

1. No Title, Salt Spring Island, STNC; Princeton, VFFN; Lillooet, LNS
2. Bird Identifications Field Guide for Quesnel, Quesnel, QN
3. Bird Checklist, Pender Island, PIFN
4. Birds at Feeder, Common Birds of Bulkley Valley, Spring Birds, Smithers, BVN

C. Fish

1. Salmon Society, North Shuswap, NSN
2. Forage Fish, Boundary Bay, FoSBS

D. Marine

1. Beach, Explore the Rocky Shore, Vancouver, NVAN
2. Shorekeepers program brochure, White Rock /Surrey, FoSBS
3. Swimmer's Itch, personal safety and marine etiquette, FoSBS

E. Memberships

1. Pender Island Field Naturalists Membership, Pender Island, PIFN
2. Stoney Creek Environment Committee Membership, Burnaby, SCEC
3. Arrowsmith Naturalists Membership, Parksville, AN
4. Chilliwack Field Naturalists Membership, Chilliwack, CFN
5. Kamloops Nature Club Membership, Kamloops, KNC
6. West Kootenay Naturalist Club brochure, WKNC
7. Friends of Semiahmoo Bay Society brochure, Boundary Bay, FoSBS

F. Nature Guides / Natural History

1. Parks and Natural Places around Vancouver; Wilderness on the Doorstep, Vancouver, NV

2. Bookmark, Surrey, SEP

G. Plants

1. Eelgrass, FoSBS
2. Invasive Plant Guides, CONC

H. Riparian Areas

1. Watershed, Stream Care, Langley, LCWS
2. Wetland, Hudson's Bay Wetland Protection, PGFN
3. Little Campbell River Watershed, LCWS

I. Trails / Maps

1. Identification Checklist, South Vancouver Island, VNHS
2. Interpretive Nature Trail, Bulkley Valley Self Guiding Nature Trail Brochure; Community Forest Self-guiding Nature Trail brochure, Smithers, BVN
3. Little Campbell Forest Trail Brochure, Surrey, FoSBS
4. Salt Spring Island Mapping project, Salt Spring Island, SSI
5. Tourist Map of wildlife viewing, trails & recreation sites, Pender Island, PIFN
6. Tourist Map of wildlife viewing, trails & recreation sites, Pender Harbour, PHDWC

J. Youth – Connecting Children with Nature, South Vancouver Island, VNHS

K. Other – no title, CONC

Newspaper Columns and Club Newsletters

1. Local Papers, monthly naturalists column, Pender Post, Pender Island, PIFN; Penticton, SONC; Kamloops, KNC
2. Newsletter, Naturalists activities 5x/year, Chilliwack, CFN
3. Naturalist Column, Northern Sentinel Newspaper, KVN, Kitimat (20 years)

Displays

1. Important Bird Area of the Fraser R delta & Boundary Bay, FoSBS
2. Marine habitats, eelgrass, forage fish, Shorekeepers, native plants, FoSBS
3. White Rock Museum exhibit 'Birds on the Bay', FoSBS (with Anne Murray & WRM)
4. White Rock Museum exhibit 'Boundary Bay' provision of photographs and exhibit pieces, FoSBS

Field Guides / Checklists / Identification Sheets:

A. Amphibians – Frog Watch, Nicola, NNS

B. Birds

1. Bird List of Salmon Arm, Salmon Arm, SNC
2. Birds of North Central BC, Bird Viewing around Prince George, Prince George, PGFN
3. Birding Trail Book, Penticton, SONC
4. Identification Checklist, South Vancouver Island, VNHS
5. Birders Guide to the Lower Mainland, Vancouver, NVAN
6. Birding Checklist for Campbell Valley, Langley, LFN
7. Bird Checklist for parks and beach, Parksville, AN
8. Bird Field Guide for Kamloops, Kamloops, KNC
9. Checklist of Comox Valley, Comox Valley, CV
10. Checklist for Region, Smithers, BVN
11. Checklist of Birds in Squamish Estuary, Squamish, SQECS
12. Checklist of Birds in Estuary, Kitimat, KVN
13. Checklist for Region, North Okanagan, NONC
14. West Kootenay Bird List, Cranbrook; Creston Valley Bird List, Creston Valley, WKN

C. Butterflies

1. Butterflies of the Shuswap, Salmon Arm, SNC
2. Butterfly Checklist, Penticton, SONC

- D. Fish** –Stream Walk Guide, Burnaby, SCEC
- E. Mammals / Wildlife Viewing** –Identification Checklist, south Vancouver Island, VNHS
- F. Marine** –Identification Checklist, south Vancouver Island, VNHS
- G. Nature Guides / Natural History**
 - 1. Nature Guide for Region, south Vancouver Island, VNHS
 - 2. Field Guide to the Williams Lake River Valley, Williams Lake, WLFN
 - 3. Nature Notes, Nicola, NNS
 - 4. Nature Guide for Region, Comox Valley, CV

H. Plants

- 1. Wildflowers of the Shuswap, Salmon Arm, SNC
- 2. Plant Checklist, Penticton, SONC
- 3. Checklist for Region, North Okanagan, NONC
- 4. Identification Checklist, south Vancouver Island, VNHS
- 5. Plant Checklist for Skihist Provincial Park, Maple Ridge, AFN
- 6. Checklist of Comox Valley, Comox Valley, CV
- 7. Field Guide of Plants, by Pojar, Smithers, BVN
- 8. Riparian Areas –Scout Island Nature Centre Wet Sock Guide, Williams Lake, WLFN
- 9. Trails / Maps –Area Hiking Guide with Focus on Natural History, Lillooet, LNS
- 10. Merritt Area Flower List, Merritt, NNS

Interpretive Signage:

A. Amphibians / Reptiles

- 1. Bullfrog Awareness, Lower mainland, LEP
- 2. Painted Turtles, Solana Area, OON
- 3. Western Toad Migration, Kentucky-Alleyne Provincial Park, NNS
- 4. Ephemeral wetlands and SAR red-legged frog, Little Campbell Forest Trail, Surrey, FoSBS

B. Birds

- 1. Birds, Golf Course, Golf Course, NV
- 2. Crane Reserve, Pitt Polder, AFN
- 3. Don't Feed Ducks, Nicomekl R. Flood Plain, LFN
- 4. IBA, BBRP & Delta, DFN
- 5. Duck ID, Lakeside Park, Nelson, WK
- 6. Wood Ducks; Barn Owls, Little Campbell Forest Trail, Surrey; IBA, WHSRN Surrey/White Rock, FoSBS

C. Community – Brant Festival, Parksville, AN

D. Ecology

- 1. Ecology, Watershed Society and City of Dawson's Creek, Dawson Creek Walking Trail, TTNC
- 2. Ecology, Hudson's Bay Mountain, BVN

E. Fish

- 1. Salmon Habitat, River Valley, WLFN
- 2. Salmon Habitat, DFO & High School, salmon bearing streams, BVN
- 3. Salmon life cycle, Little Campbell Forest Trail, Surrey, FoSBS

F. Habitat

- 1. 8 signs on geography, habitat and coastal/marine species; Pier head, White Rock; nurse logs, wildlife trees, Little Campbell Forest Trail, Surrey, FoSBS
- 2. Habitat, MoE & BC Hydro, Lillooet, LNS

G. Interpretation

- 1. Metro Vancouver, BBRP & Delta, DFN
- 2. Swan Lake, NONC
- 3. Mel Deanna Trail – Castelgar, WK

H. Mammals / Wildlife Viewing

1. Wildlife, Pitt Wildlife Management Area, AFN
2. Wildlife, Rivers Trail and Lac du Bois, KNC
3. Viewing Signs, Regional Districts, Comox Valley, CV
4. Wildlife viewing with Regional District and Kelowna Parks, CONC

I. Marine

1. Beach Etiquette with invertebrate photos, Boundary Bay, FoSBS
2. Explore the Rocky Shore at Stanley Park, NV

J. Nature Guides / Natural History

1. History, Bydon Lagoon, LFN
2. History, Trails and Estuary Squamish, SQECS
3. History, MoE & BC Hydro, Lillooet, LNS
4. Nature, City of Abbotsford, Hogan Family Nature Park, AMNC
5. Nature, Elizabeth Lake, RMN

K. Plants

1. Native Plants, White Rock Demonstration Garden, White Rock, FoSBS
2. Flora & Fauna, Watershed Society and City of Dawson's Creek, Dawson Creek Walking Trail, TTNC
3. Flora & Fauna, Scout Island Nature Center, WLFN
4. Flora & Fauna, Trails and Estuaries Squamish, SQECS
5. Flora & Fauna, Cowichan Valley, CS
6. Conifer tree ID, Slocan Pool – South Slocan, WK

L. Riparian

1. Creek Etiquette, City of Burnaby, SCEC
2. Little Campbell River Watershed, Langley/Surrey, LCWS
3. Pond, Langley Seniors Center, LFN
4. Streamkeepers, Cowichan Valley, CS
5. Turbidity in Creek, City of Burnaby, Creeks in Burnaby, SCEC

M. Trails / Maps – Recognition, Upgraded Trails in Kamloops, KTTA

N. Subcategory Not Listed

1. Not Listed, UVic & CRD, Salt Spring Island, STNC
2. Not Listed, Swan Lake Nature Preserve, Princeton, VFFN
3. Not Listed, Salmon Arm Bay, SNC
4. Not Listed, Penticton Waterfront; Penticton Gold Club, SONC
5. Not Listed, Beacon Hill Park; Viaduct Flats; Kinds Pond; Esquimalt Lagoon; Planned Viewing Platforms, VNHS
6. Not Listed, UBC, UBC Farm, NV

Posters

1. Ecology of Hudson Bay Mountain, Bulkley Valley Naturalists
2. Eelgrass Mapping & Monitoring in Boundary Bay; Forage Fish & Spawning Habitat; Shorekeepers Monitoring in Boundary Bay; Skim boarders Etiquette; Coastal Shoreline Inventory Mapping, Fraser delta & Boundary Bay, FoSBS

Power Point Presentations

1. Birds around Boundary Bay; Marine Habitats & Invertebrates in Boundary Bay; Pond Habitat, Invertebrates & Wildlife; World Wetlands; Flora and Fauna of Area, Surrey, White Rock, FoSBS
2. Important Bird Areas PPT, BC for clubs by BSC, CWS
3. Western Grebes of Salmon Arm Bay, Shuswap, SNC

Use of Website/Bulletin Boards/Event Calendar: Comments

1. Already Uses Calendar – on website, FoSBS

2. Not Interested –Kamloops, KFN, Interior clubs too spread out; Bulkley Valley, BV
3. Prefers Website – Lillooet, LNS; Langley, LFN; Bulkley Valley, BVN; south Vancouver Island, RPBO
4. Interested – Vancouver, NV; Langley, LFN; Cowichan Valley, CS; Kootenays, WK

Public Educational Activities & Programs offered by Clubs

Events Clubs Host / Participate for Members:

A. Camps

1. 3 day trip every few years, SNC
2. 2-3 each year, WLFN
3. BC Nature Field Camp, CFN
4. BC Nature Field Camp – McQueen Lake; BC Nature Field Camp – Wells Grey Park, KNC
5. Camping Trip in Summer, BNC
6. Occasional overnight trips, NVAN

B. Interpreted Field Trips / Guided Walks

1. Two a year, AN
2. A few a year, WLFN
3. A few in spring, BVN
4. Backpacking, NV
5. Birding, NNS; AMNC
6. Birding, International Migratory Bird Day, Marine, Wetlands, at least 15 a year for the public (not including class field trips), FoSBS
7. Guided Outings, SNC; LFN; PIFN; STNC; CV
8. Guided Outings winter; student field trip, Boundary Bay, WR
9. Hikes/Nature Walks, BNC; NSN; NV; FNC; QN; LCWS
10. Hikes/Nature Walks, Interpreted field trips, WK
11. Monthly Trips, CFN
12. Mushroom Walks, BNC
13. Plant ID Walks, QN
14. School Field Trips, 50 to 80 annually, Boundary Bay, FoSBS
15. Wildflower and Wildlife Walks, NNS
16. Weekly birding, plant outings, twice weekly hikes, CONC

C. Speakers:

1. Give Presentations, QN; SEP; AFN;
2. Give presentations and host special events, six per year, FoSBS
3. Monthly Meeting Presentations, NV; DFN; STNC; SNC; SON; VNHS; WLFN; LFN; AN; KNC; CV; BVN; RPBO; TTNC; CFN; PIFN; WR; OON; CONC, NNS
4. Speakers 6/yr, WK

D. Training / Workshops:

1. **Amphibians / Reptiles** - NNS
2. **Bats** –bat boxes, BVN
3. **Bird Banding**
 1. VNS; WN; RPBO
 2. Humming bird banding, VFFN
 3. Nest Boxes, BVN, VFFN, QN
4. **Birding**
 1. LFN; WN; WLFN; NV; CV; DFN; RPBO; VNHS; KNC
 2. IBAs, CV, NNS, KNC
 3. Beached Bird & Waterbird Survey Methods with Bird Studies Canada, Boundary Bay, FoSBS

4. Bird Identification Workshops, (annually NNS), NV
5. Nightjar Survey Training, WR
- 5. Butterflies**
 1. Butterfly Atlas Workshop, WR
 2. Butterfly ID, WR
- 6. Conservation**
 1. Municipal Conservation Meetings, SEP, LCWS, FoSBS
- 7. Fish**
 1. Fish Counts, SCEC
 2. Forage Fish Spawning Habitat Survey Methods, Boundary Bay, FoSBS
- 8. Mammals / Wildlife Viewing**
 1. Cetaceans, KVN
 2. Mammals, KNC
 3. Coastal Shoreline Inventory Mapping, Boundary Bay & Fraser R. Estuary, FoSBS
- 9. Photography –NV; CFN; CV;DFN**
- 10. Plants**
 1. Untitled, CV
 2. Eelgrass Mapping and Monitoring Methods, FoSBS
 3. Flowers, KNC; KVN
 4. Habitat Gardens, SON
 5. Mushrooms, WN; WLFN
 6. Mycology, KVN
 7. Plant Identification, WLFN
 8. Invasive weed control, WK
- 11. Riparian Areas**
 1. Shorekeepers Methods Training, Boundary Bay, FoSBS
 2. Wetland Protection, SNC
- 12. Other – Resume writing, WR**

Public Events Clubs Host:

A. Birds

1. VNHS
2. Birds on the Bay and Beyond Program coordination, Lower Mainland, FoSBS

B. Field Trips

1. Birding, Wildbird Nature Store, AMNC
2. Family Events, BVN
3. Weekly field trips, WK
4. Numerous Field Trips annually and in summer, FoSBS
5. Occasionally, CONC

C. Marine

1. World Ocean Weekend Festival, Eelgrass Mapping & Monitoring (Citizen Science); Shorekeepers Marine Survey (Citizen Science); Forage Fish Spawn Habitat Survey Methods (Citizen Science), Boundary Bay, FoSBS

D. Nature Guides / Natural History

1. Guided Tours, OON
2. Manage Scout Island Nature Center, WLFN
3. Nature Programs in summer, BC Parks, BVN
4. Public Nature Walks, CV

E. Riparian Areas

1. Water Quality Sampling (Citizen Science), Surrey, Langley, & MOE, WR, FoSBS, LCWS
2. Little Campbell River Watershed Management Planning, Surrey/Langley, LCWS
3. Summer Festival, Rivershed Society, LNS

4. Wetlands Field Day, Ducks Unlimited, TTNC
5. World Wetlands Day, LCWS, FoSBS (hosts)

F. Not Specified

1. 30 Evening Presentations/year, VNHS
2. Assorted Presentations, COWV
3. Social Pot Luck with guest speakers, WK
4. Annual social Potluck for team, FoSBS
5. Seasonal, CONC

Public Events Clubs Attend/Participate in:

A. Bird Festivals

1. Brant Festival, AN, FoSBS
2. Bird Atlas, LFN
3. Birds on the Bay, DN, LFN, FoSBS
4. Eagle Festival, SQECS
5. Fraser Valley Eagle Festival, CFN, FoSBS
6. Great Blue Heron Nature Reserve, CFN
7. International Migratory Bird Day, NV, FoSBS
8. Meadowlark Festival, OON
9. Shore Bird Festival, WR
10. Wings Over Water Festival, Blaine, FoSBS

B. Community Festivals

1. Bowen Community Festival, BNC
2. Burnaby Environmental Week, SCEC
3. Butterfly Tea Party, WR
4. Children's Festival, ?
5. Country Celebration, Campbell Valley Park, LFN; previously FoSBS
6. Earth Day Events, QN, NV, AN, KVN, SEP, LCWS, FoSBS
7. Earth Friendly Holiday Event, WLFN
8. Father's Day Event, LCWS
9. Father's Day Pancakes, DFN
10. Langley Days, LFN
11. Literacy Celebrations, WLFN
12. Metro Van Park Associations Events, NV
13. Parksville Kids Fest, AN
14. Party for the Planet, previously FoSBS, SEP
15. Scouts and Guides Events, VN
16. Sea Festival, White Rock, FoSBS
17. Stanley Park Ecological Society Events, NV
18. Surrey's Environmental Extravaganza 2 month program, LCWS, FoSBS
19. Winter Carnival, QN

C. Farmers Markets / Craft Fairs

1. Craft Fairs, LFN
2. Farmers Market, KNC, FoSBS
3. Fall Mushroom Festival, PH
4. Local Markets, NV
5. Summer Markets, PIFN; AN

D. Fish – Great Salmon Send-off, SCEC

E. Marine Festivals

1. Beach Hero Marine Interpretive Program, FoSBS
2. World Ocean Weekend, Surrey, SEP, LEPS, LCWS

F. Plants

1. Invasive plant pulls, SCEC, LCWS, FoSBS
2. Native Plant Demonstration Garden events, FoSBS

G. Restoration & Conservation

1. Brydon Lagoon, LFN
2. Camosun Bog Restoration Group; Jericho Stewardship partnership, NV
3. Camp River Wildlife Area, CFN
4. Irish Griffiths Ruby Lake Interpretive Center, PHDWC

H. Riparian

1. Englishman River Estuary, AN
2. Rivers Day, LFN, WLFN, AN, KNC, NNS, WK, SCEC, previously FoSBS

I. Other

1. Elder College, WLFN
2. Various festivals, NV
3. Rent art gallery to promote club, SNC

Surveys / Monitoring:

A. Bats – Chilliwack, CFN; Dawson’s Creek, TTNC; Quesnel, QN; Smithers, BVN

B. Bird and/or Nest Count

1. Comox Valley, CV; Dawson’s Creek, TTNC; Delta, DFN; Kamloops, KNC; Kitimat, KVN; Lillooet, LNS; Manning Park and Maple Ridge, AFN; Merritt, NNS; North Okanagan, NONC; Princeton, VFFN; Quesnel, QN; Squamish, SQECS; Surrey, FoSBS; Whistler, WN; West Kootenay, WK

C. Christmas Bird Count

1. Bowen Island, BNC; Chilliwack, CFN; Comox Valley, CV; Dawson’s Creek, TTNC; Delta, DFN; Fernie, FNC; Kamloops, KNC; Maple Ridge, AFN; Merritt, NNS; North Okanagan, NONC; Parksville, AN; Pender Harbour, PHDWC; Pender Island, PIFN; West Kootenay, WK; Penticton, SON; Princeton, VFFN; Quesnel, QN; Smithers, BVN

D. Fish Counts – Langley, Surrey, LCWS; Burnaby, SCEC

E. Frog Watch – Kitimat, KVN; Merritt, NNS

F. Invertebrate Sampling – Burnaby, SCEC; Surrey, Langley, LCWS

G. Mammal Survey – Dawson’s Creek, TTNC; Kelowna, CONC; Smithers, BVN, Surrey, Langley, LCWS

H. Marine – Surrey, White Rock Shorekeepers invertebrates, forage fish spawn, eelgrass, FoSBS

I. Plant Survey – Kelowna CONC; Burnaby, SCEC; Pender Harbour, PHDWC; Penticton, SONC; Quesnel, QN; Smithers, BVN; Surrey, White Rock, FoSBS

J. Species at Risk – Lillooet, LNS; Smithers, BVN; Surrey, Langley, LCWS; Nicola Valley, NNS

K. Streamkeepers – Chilliwack CFN; Cowichan Valley, COWV; Pender Harbour, PH; Williams Lake, WLFN; Squamish, SES

L. Water Quality – Burnaby, CEC; Langley, Surrey, LCWS

M. Wetland Keepers – Penticton, SONC

Habitat Restoration by Clubs:

A. Coastal Dune & Marine - Forage Fish spawn habitat restoration, marine riparian habitat invasive removal, planting, shoreline cleanups, Surrey, White Rock, FoSBS

B. Forest – Barn Owl installation, Delta, DFN; nest box stewardship program, FoSBS

C. Riparian

1. Creek rehabilitation and trail development, Kitimat, KVN
2. Habitat Restoration, Abbotsford, AMNC
3. Invasive Plant Removal, Penticton, SONC; Langley and Surrey, LCWS; Pender Harbour, PHDWC
4. Little Campbell River estuary restoration project, Surrey, FoSBS

5. Restoration, Williams Lake, WLFN
6. Little Campbell River debris cleanups, river channel restoration projects, LCWS, FoSBS
7. River's Day garbage clean up, WK

D. Specific for Species at Risk

1. Marbled Murrelets, Spipyus Provincial Park, PHDWC
2. Ephemeral wetland for red-legged frog, Surrey, FoSBS with LCWS

E. Wetlands

1. Turtle habitat, CONC
2. Wetland restoration, Comox Valley, CVNS
3. WRMWA invasive removal, Parksville, AN
4. Project at Iona Park, Richmond, WR
5. Ephemeral ponds and channels construction and planting, Surrey, FoSBS with LCWS
6. Construction of fence to mitigate roadkill of Western Toads, Kentucky-Alleyne Provincial Park, NNS
7. Tree Swallow, Wood Duck and Purple Martin nest boxes, Surrey, FoSBS

F. Other

1. Ecological Reserve Maintenance, Trail cleanup, North Okanagan, NONC
2. Garry Oak Restoration, Comox Valley, CV
3. Trail grooming with Friends of the South Slopes, CONC

School Programs offered by Clubs:

A. Field Trips

1. Grades 9-12, 3 year project at Manning Park and 9-12, White Bark Pine seeding growing, VFFN
2. Grade 4 field trips, provide interpreters, AMNC
3. Grades K-5, bluebird and turtle walks, RMN
4. Grades 4-5, Wetlands Field Days, TTNC
5. Occasional field trips, NNC
6. Stream walks, SCEC
7. Grades 1-7 field trips, focused on marine, birds or pond discovery, FoSBS
8. Salmon in the Classroom field trips, LCWS partner

B. Classroom Participation

1. Grades 9-12, Senior Secondary Career Days; Grades 1 -7,50-80 presentations annually with touch materials, microscope study for pond, teacher resource kit provided for 4 weeks, 4 bird programs, 4 marine programs and 1 pond discovery running simultaneously, Surrey, Delta, Langley, White Rock, FoSBS
2. Presentations: Western Toad and Waterfowl, QN; Nature, VN; No topic listed, NNS; No topic listed, WK; YNC in schools and Elders College, CV; YNC annually in schools, CFN; Nature Awareness, BNC; Birds, KVN; elementary and high school, CONC
3. Work with teachers to insert natural history into curriculum, WLFN
4. Bird, scat, prints identification workshops for Brownies and Church Groups, LFN
5. Outdoor education committee that meets in Hogan Family Nature Park, AMNC
6. University, Training and job placement, WR
7. Garry Oak restoration of interest in schools, CS
8. Grades K-5, Wood duck and swallow boxes, ?
9. Grades 6-8, Invasive plant removal, AMNC
10. Salmon in the Classroom program with fish release field trip, LCWS

C. Community Outreach

1. All Ages, Beach Hero Marine Interpretive Program, presentations to seniors, community groups and offer events in Surrey's Environmental Extravaganza; encourage keen volunteers to lead project, attend Board, FoSBS

2. Conservation and Restoration – Spawning Channel, LNS
3. All Ages, Scout Island Nature Center nature programs, WLFN
4. Educational Programs, LCWS
5. Volunteer Opportunities, WLFN
6. Leads family trips to explore Bowen Island every Friday, BNC
7. Summer camps based in local watershed, TTNC
8. Lead field trips, KNC

D. Scholarships / Bursaries

1. Grades K-5, summer camp attendance fee, NV
2. Grades 9-12, Environmental studies students, VFFM; Grades 9-12, Environmental studies students, CS
3. Memorial bursaries and scholarships, WK
4. Bursary, CONC
5. Bursary to Environmental resources technology student at NVIT, Merritt, NNS

E. Summer Programs

1. “The Fine Art of Nature”, and “Out of the Box” run with BC Parks, BVN
2. Beach Hero Marine Interpretive Program, 4 months since 2004, FoSBS

F. Science Fairs

1. Judges, SON; KVN; KNC; WK; FoSBS
2. Grades K-5, Judge and donate 2 prizes, AMNC
3. University, Citizen science project, SQECS

G. Employment –Hire university students for work, SINC, WLFN, FoSBS

Young Naturalists Club (now called Nature Kids) Participation by Clubs

A. Support / Facilitate a YNC

1. Invites to join and provide meeting place, VFFN
2. Joint family memberships, NV
3. Provide financial support, invite to special events and programs, CONC
4. Provide materials and finance camp, LFN
5. Provide materials and sponsorship, SNC
6. Sponsor, CS
7. Explorer Days, supply equipment, FoSBS
8. Explorer Days, VNHS; WLFN; NVAN; SNC; LCWS; AN; RMN; KNC

B. Mentors

1. Available but haven’t been used, QN
2. Volunteer as Mentors, FoSBS; PGFN; WLFN

Club Comments

- **Arrowsmith Naturalists** – need more members to help with leading the Oceanside YNC (covers families living from Bowser to Parksville) and a leader for the Nanaimo YNC.
- **Bulkley Valley Naturalists** – we do not have enough volunteers to commit to the time to lead a YNC.
- **Central Okanagan Naturalists Club** – Yes, please contact us to form a club, wish to promote nature to more youth.
- **Chilliwack Field Naturalists** - it was suggested many years ago at an YNC AGM that as a child grows too old for YNC membership the host club offer the family a one year free membership in the host club.
- **Langley Field Naturalists** - all clubs should support the local YNC or encourage the establishment of one.
- **Timberline Trail Naturalists Club** – want to know about other YNC activities for inspiration.
- **Victoria NHS** - want a program similar to that of the Vancouver Club- family membership to both orgs. We have asked for this in the past, even before it was implemented in the Lower Mainland.

- **Williams Lake** - Scout Island Nature Centre pays the YNC leader for her time. This ensures a continuous club.

Educational Program Needs in the Community Identified by clubs

1. Great need for community awareness and resources, FoSBS, PGFN
2. More needed awareness on Western Toad and Migratory birds, working on this, QN
3. Ministry financial cutbacks in schools on environmental education have increased the need for our presence in classroom, CS

Protection/Conservation of Land by Clubs

- **Abbotsford Mission Nature Club** - Our club was involved in the establishment of the Hogan Family Nature Park. This property was given to the City with the intent that it become a City Park and be used for educational purposes
- **Langley Field Naturalists** – since 1976, manage the Forslund Watson Wildlife Area as a nature reserve of 80 acres in contract with the Ministry of Environment.

Others Agencies or NGOs that offer Nature Education besides BC Nature Club

Lower Mainland

- **Affiliate groups** (not already listed) – BC Spaces for Nature in Gibsons; Friends of Cypress Provincial Park; Hope Mtn. Centre for Outdoor Learning; Jervis Fjordland Wilderness Committee; Malaspina Naturalist Club; Raincoast Applied Ecology; Riverview Horticultural Society; Ruby Lake Lagoon Nature Reserve Society; Sargent Bay Society; Sunshine Coast Conservation Association.
- **Alouette Field Naturalists** say KEEPS (Kanaka Ecological and Educational Preservation Society) and Alouette River Management Society, UBC (Malcolm Knapp) Research Forest to share knowledge and tour the forest, Ducks Unlimited work in the Pitt, Metro Vancouver at Kanaka Creek Regional Park.
- **Chilliwack Field Naturalists** say the Great Blue Heron Nature Reserve, several FVRD & Provincial Parks, Fish hatcheries, Rotary Trail, City of Chilliwack, Village Of Harrison Hot Springs & Hope.
- **Friends of Semiahmoo Bay Society** say the City of Surrey Parks, Natural Areas, Urban Forests and Nature Centre, Corporation of Delta, A Rocha Canada and their Environmental Field Centre, Dart's Hill Garden Society, Sunnyside Acres Heritage Society, Nature Trust of BC, Burns Bog Conservation Society, Wild Bird Trust of BC, Ministry of Forest, Lands & Natural Resources, Ministry of Environment, Fisheries and Oceans Canada; Western Canada Wilderness Committee; David Suzuki Foundation.
- **Langley Field Naturalists** say Metro Vancouver Parks, Langley Environmental Partners
- **Little Campbell Watershed Society** say Langley Environmental Partners, Metro Vancouver Parks and in Surrey, the Semiahmoo Fish & Game Club, Little Campbell Hatchery
- **Nature Vancouver** say the Stanley Park Ecology Society, Camosun Bog Restoration Group, Jericho Stewardship Partnership, Marine Life Sanctuaries Society, North Shore Black Bear Society, Lynn Canyon Ecology Centre, Lower Mainland Green Team, Evergreen and Pacific Parklands Foundation.
- **Stoney Creek Environmental Committee** say Metro Vancouver hosts nature field trips
- **WildResearch** say City of Vancouver and Surrey

Vancouver Island Region

- **Affiliate groups** (not already listed) – Friends of the Stikine; Garry Oak Meadow Preservation Society; Raincoast Education Society; Somenos Marsh Wildlife Society;
- **Arrowsmith Field Naturalists** say the Nature Trust of BC; the Mid Vancouver Island Habitat Enhancement (signs and events); the North Island Wildlife Rehabilitation Centre; the 'Bear Smart'

Program; the Regional District's Parks Department guided walks; the Provincial Parks, Rath Trevor Spring & Summer Camps and events; the Friends of French Creek, Earth Day for Brant Festival; the Friends of Nile Creek, Fisheries recovery in Creeks & River; the Rosewall Creek Park, the "River Never Sleeps"; the Knox United Church speaker series 2014 Environment theme; the Parksville Beach Kid Fest; the Qualicum Beach 'Beach Days' and Rivers Day; the Arrowsmith Biosphere signage at 3 provincial parks; the Backyard Bird Store offers 3 weekly birding walks; the Milner Gardens offers the 'Shoots and Roots' Children's Program; the Great Canadian Shoreline Cleanup and the Pacific Rainforest Wildlife Tours -ecotourism.

- **Comox Valley Field Naturalists** say municipal/regional district are supportive and have interpretive signage. Project Watershed and the Streamkeepers groups, MARS also provide programs although CV Nature is the most active.
- **Pender Island Field Naturalists** say Pender Island Conservation Association; Mayne Island Conservancy
- **Rocky Point Bird Observatory** say more than 100 conservation organizations in our area. Victoria Natural History Society does the most.
- **Cowichan Valley Naturalists** say Nature Cowichan partners, see www.naturecowichan.net. There are also programs offered by the Cowichan Watershed Board, Cowichan Tribes, and others. We are disappointed by our local and regional government's low level of support for science education and nature interpretation.
- **Salt Spring Trail and Nature Club** say Salt Spring Island Conservancy

Northern Region

- **Quesnel Naturalists** say a very active Baker Creek Enhancement and an active birding group that is separate from the Quesnel Naturalists.
- **Lillooet Naturalist Society** say we have local naturalist speakers as well as many resource people, such as BC Hydro FWCP project researchers, that present to our group. MFLNRO and BC Hydro have projects in the area and we link with them as much as we can. St'at'imc Government Services is doing land use planning and we share information and collaborate; try to keep the local government, informed, involved and 'on side'. We sit on the Chamber of Commerce.
- **Prince George Field Naturalists** say the local YNC, the city has done signage in the past. Spruce City Wildlife Assoc.
- **Williams Lake Field Naturalists** say the Cariboo Chilcotin Conservation Society and the Gavin Lake Forest Education Centre.
- **Bulkley Valley Naturalists** say BC Parks and Ministry of Environment, Skeena Watershed Coalition, Telkwa at "The Ark" with Norma Stokes, I am volunteering to run two programs with her kids this week.
- **Kitimat Valley Naturalists** say the Vancouver Aquarium visits, regional hatcheries have classes visit, BC Cetacean Network visits, retired biology professors- Dr. Norma Kirby in Terrace
- **Timberline Trail Naturalists Club** say MoE, City of Dawson Creek, Dawson Creek Watershed Society, Ducks Unlimited, BC Wildlife Federation.

Kootenay Region

- **Affiliate groups** (not already listed) – Creston Valley Wildlife Management Area
- **Rocky Mountain Naturalists** say a local group Wildsight offers great school programs. <http://www.wildsight.ca/education>

Thompson Shuswap Okanagan Region

- **South Okanagan Naturalists Club** say the Meadowlark Festival.
- **Kamloops Field Naturalists** say Barnhartvale Horse & Hike Trails Preservation Society, Kamloops Wildlife Park.

- **Nicola Naturalist Society** say very little, the Ministry of FL&NR does have interpretive signs at some camp sites and at the Harmon Lake Forest Interpretation site.
- **Kamloops Thompson Trail Alliance** say BC Parks and the Nature Conservancy of Canada, the Kamloops Naturalist Club.
- **North Shuswap Naturalists** say the Adam's River Salmon Society, Shuswap Trail Alliance, Shuswap Integrated Planning Process.

BC Nature Support Clubs are Requesting

1. Appreciate club support grant, FoSBS
2. List of speakers, STNC; LFN; AN; AMNC;
3. Outing suggestions, AN
4. Standardized Outings ie) birding, frogs, flowers, etc adapted for local use, NNC
5. Available funding through BC Nature?, QN
6. Identification materials or posters to clubs for booths, LFN; AFN
7. Out of date BC Nature magazines and YNC magazines, AFN
8. Advertising help for camps, CV
9. Funding!! People are busy, and volunteers burnt out so we need to pay someone to put on our programs, BVN
10. Limited people, ie. Volunteers, PGFN
11. Would like to offer more evening programs – issues with scheduling, NV
12. Wants formal education program on Iona Island Bird Observatory, but no time or volunteers, WR
13. Need mentors for homeschool groups and leaders for Elder College; need volunteers for school holiday camp with Brant Festival, AN
14. Need suggestions for creating awareness in area, OON
15. More signage along Little Campbell River and road crossings, LCWS
16. Need volunteers and time to offer school programs, CFN