

GARRY OAK RELATED RESEARCH/RESEARCHERS

To: 2004 – 10 – 04

Research Categories:

- O** **Ecosystem classification & function**
- I** **Rare species biology**
- II** **Disturbance regimes**
- III** **Invasive species**
- IV** **Fragmentation**
- V** **Restoration**

Name	Agency	Topic and Contact Information	Category(ies)
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BRITISH COLUMBIA

University of BC, Vancouver

Gary Bradfield	Botany: Habitat fragmentation effects (with Dennis Gignac, U Alberta, Edmonton, et al. to Maritimes)	garyb@interchange.ubc.ca	I, IV
Kella Sadler	Botany: Taxonomy and ecology of vegetation in rock outcrops and shallow grassland habitats of the Gulf Islands in the Coastal Douglas-fir zone, BC. Inventory emphasis on bryophytes in Gulf Islands, BC.	tom-kella@telus.net	O, I, II, III, IV
Roy Turkington	Botany: (grad students)	royt@interchange.ubc.ca	II, III, V
Andrew MacDougall	Botany: Restoration of GO meadow: fire, clearing, planting	amacdoug@interchange.ubc.ca	II, III, V
Kermit Ritland, Yousry El-Kassaby, (Mike Meagher & George Edwards).	Forestry: Garry oak genetics & mating system.	Kermit.Ritland@ubc.ca	I
Yousry El-Kassaby	Forestry: Garry oak genetics & mating system.	Yousry.El-Kassaby@ubc.ca	I
Sally Aitken	Centre for Forest Gene Conservation: Genetics and adaptation of trees & shrubs.	aitken@interchg.ubc.ca	I
Peter Arcese	Centre for Applied Conservation Research: Demographic & genetic analyses of small populations of vertebrates; assessment of human impacts on rare species & conservation reserves; reserve design & management; population viability analysis.	arcese@interchange.ubc.ca	I, IV, V

Emily Gonzales	Centre for Applied Conservation Research: Island ecology. Impacts on the native diversity of Garry oak ecosystems in the Gulf Islands: herbivory, competition by exotic grasses and landscape fragmentation. emilyg@interchange.ubc.ca	I, II, III, IV, V
Suzanne Simard	Forestry: Mycorrhizae ssimard@interchange.ubc.ca	O, III, IV
John McLean	Forestry: Beetles in Garry oak ecosystems. john.mclean@ubc.ca	O, I, III ???
Jacqueline Shaben	Zoology: THE NITROGEN-FIXING CAPABILITY OF SCOTCH BROOM (<i>CYTISUS SCOPARIUS</i>) AND ITS EFFECTS ON NATIVE PLANTS OF THE GARRY OAK ECOSYSTEM. Supervised by Dr. Judy Myers Keywords: Nitrogen fixation, Scotch Broom, Fertilization, exotic species, plant competition “shaben@zoology.ubc.ca”	II & V
Quentin Cronk	Director, Botanical Garden & Centre for Plant Research: Genetics of <i>Lupinus densiflorus</i> . quentin.cronk@ubc.ca	I

University of Victoria, Victoria

Brenda Beckwith	Oak meadow history, fire role, First Nations culture beckwith@uvic.ca	II, V
Nancy Turner	First Nations plant use & meadow cultivation nturner@uvic.ca	II, V
Don Eastman	Restoration of natural ecosystems. Status of rare butterflies ms@uvic.ca	I, V
James Miskelly	Island Marble and Taylor’s Checkerspot butterflies: habitat requirements, consequences of habitat change, implications for management. j_miskelly@hotmail.com	I, II, V
Geri Poisson	Restoration projects at UVIC. Graduate studies. geripoisson@yahoo.ca	V
Magnus Bein	Restoration of Garry oak meadow at UVIC. Graduate studies. ambein@uvic.ca	V
Erica Wheeler	Genetic diversity and biogeography of <i>Allium amplexans</i> . Graduate studies. ericaw@uvic.ca	I

- Geraldine Allen Herbarium: Genetics of rare species; genetic variation; propagation of native plants. gallen@uvic.ca I
- Omar McDadi Historic vegetation dynamics of the Douglas-fir stand at Mystic vale on UVIC campus via pollen and charcoal analysis. Evidence of past Garry oak or meadow communities and fires. Graduate studies. mcdadi@uvic.ca 0, II
- Zak Henderson Restoration of Natural Systems, University of Victoria. brotherzak@yahoo.ca V
- Judith Carder Invasive alien species; fire restoration. judeathome.shaw.ca. III, V
- Julian Anderson General restoration. RNS student. Green_Man@telus.net V

Royal BC Museum, Victoria

- Richard Hebda Broom removal; habitat effects; restoration & improvement; ecosystem history; impacts of climate change. Rhebda@royalbcmuseum.bc.ca II, III, V

Simon Fraser University, Burnaby. V5A 1S6

- Elizabeth Elle Biological Sciences: Habitat patch size & plant-pollinator relationships in GOEs; mating-system analysis; population genetics. Tel: 604-291-4592; FAX: 604-291-3496. elle@sfu.ca. I, IV
- Marian McCoy Biological Sciences: Paleoecological techniques to reconstruct fire histories over the past 2000 years of GOEs in the Georgia Basin (supervised by Rolf Mathewes and Marlow Pellatt); masting by GO and implications for the pollen record. mmccoy@sfu.ca II
- Marlow Pellatt Biological Sciences (also Dr. Brad Hawkes (CFS, Victoria), Dan Smith (UVIC - Geography), Ze'ev Gedalof (Guelph “zgedalof@uoguelph.ca”), and Rolf Mathewes (SFU). Fire History and Paleoecology of Garry oak and associated ecosystems. We are undertaking tree ring, fire scar, charcoal analysis, pollen analysis, and plant macrofossil analysis. Study sites are at Tumbo Island, South and North Pender Island, Rocky Point DND lands, and will expand to include Mt. Maxwell and Helliwell Provincial Parks. marlow.pellatt@pc.gc.ca II
- Maxence Salomon Biological Sciences: Habitat selection by Western black widow and species of *Tegenaria* (House spiders). (Directed by Bernie

Roitberg). msalomon@sfu.ca III

Royal Roads University, Victoria

Jan Addison Soil biology/essential ecosystem characteristics
Jan.Addison@RoyalRoads.ca I

Camosun College, Victoria

Ryan Spillett Grass re-introduction. 2525 Garden St. Victoria, BC V8T 3G4
spille00@camosun.bc.ca V

Government of Canada, Agassiz

David Ehret Agriculture Canada: Propagation of endangered plants
ehretd@em.agr.ca I

Tom Forge Agriculture Canada: Soil biology. forget@em.agr.ca O

Brenda Frey Propagation of native plants. FreyB@AGR.GC.CA I

Trinity Western University, Langley

Dave Clements Biology: Broom & gorse impacts & reproduction in Garry oak
ecosystems. clements@twu.ca III, V

Paul Brown Biology: Chemical ecology of *Anthoxanthum odoratum*.
Paul.Brown@twu.ca III

Geraldine Jordan Biology: Boundary mapping of oak meadows.
Geraldine.Jordan@twu.ca O, IV

Patrick Lilley Field studies & research management
Patrick.Lilley@twu.ca I, III, V

Kimberly Roberts Graduate studies. Oak restoration studies on Salt Spring Is.
Kimberly.Roberts@agape.twu.ca II, V

Canadian Forest Service, Victoria

Bob Duncan Garry oak ecosystem insects bduncan@pfc.forestry.ca I

Rob Hagel Garry oak & native plant propagation rhagel@pfc.forestry.ca I, V

Vince Nealis Invertebrates in GOEs (gypsy moth *et al.*) vnealis@pfc.forestry.ca III

Raj Prasad Broom & gorse impacts (joint with Clements, TWU): invasiveness and management of *Daphne laureola* and *Hedera helix*.
rprasad@pfc.forestry.ca III, V

British Columbia Forest Service, Victoria

Del Meidinger Research: GO classification system
Del.Meidinger@gems2.gov.bc.ca O

John Parminter Research: Fire effects in Garry oak ecosystems
John.Parminter@gems7.gov.bc.ca II, V

British Columbia Ministry of Sustainable Resource Management, Victoria

Allan Lidstone Garry oak mapping. Allan.Lidstone@gems6.gov.bc.ca O

Ted Lea BC Garry oak distribution: current vs. historical.
Ted.Lea@gems2.gov.bc.ca O

British Columbia Ministry of Water, Land and Air, Nanaimo

Trudy Chatwin Restoration of vertebrates to, and protection of, Garry oak ecosystems
tachatwin@nanaimo.env.gov.bc.ca I, V

Parks Canada, Victoria

Rob Walker Gulf Islands National Park, Fire & Vegetation Specialist. Fire and restoration of Garry oak ecosystems. rob_walker@pc.gc.ca II, V

Todd Golumbia Gulf Islands National Park. Todd.golumbia@pc.gc.ca

Private British Columbia researchers

Robb Bennett Tree Improvement: Invasive spiders (*Tegenaria* spp.): range, habitats and effects. Robb.Bennett@gems6.gov.bc.ca I, III

Kelsey Cramer Biologist. Kelsey_cramer@alumni.sfu.ca I

George Edwards Victoria. Garry oak genetics; seed biology. dgwe@shawcable.com. I

- Tim Ennis Victoria. Nature Conservancy of Canada, Victoria. Restoration studies on the Cowichan Garry Oak Preserve, Somenos preserve and Mt. Tzuhalem Ecological Reserve, Duncan.
Tim.Ennis@natureconservancy.ca II, III, V
- Matthew Fairbarns. Victoria. Aruncus Consulting. Demography of rare plants; vegetation ecology of Garry oak woodlands, meadows, vernal pools, etc.; conservation planning. Aruncus_consulting@yahoo.ca I, II, V
- Terry McIntosh Vancouver. Biology and restoration trials in Yale Garry oak ecoreserve and in Mt. Maxwell area, Salt Spring Island; COSEWIC status of epiphytic (on Garry oak) moss *Tortula laevipila* (with Wynne Miles, Victoria) ginkgo@shaw.ca I, V
- Carrina Maslovat Victoria. Restoration planning and monitoring; grass ecology. cmaslovat@pacificcoast.net I, III, V
- Mike Meagher Victoria Garry oak genetics. mmeagher@pfc.cfs.nrcan.gc.ca I
- Wynne Miles M. Miles & Associates. Bryology. wynnwmiles@shaw.ca I
- Don Pigott Yellow Point Propagation. Ladysmith. Native seed collection and processing. yyprop@shaw.ca I, V
- David Polster Duncan. Restoration work at the Somenos Garry Oak Preserve, Duncan, BC. Seven rare species, *Viola praemorsa ssp. praemorsa*, *Triteleia howellii*, *Viola howellii*, *Navarretia intertexta*, *Psilocarphus elatior*, *Bidens amplissima* and *Polygonum hydropiperoides* are found in the preserve. Baseline mapping, rare-species listing, removal of invasive species, cultivation and planting of native plants is underway in an adaptive-management program. **Collaborators:** Tim Ennis, Nature Conservancy of Canada, Andrew MacDougall of UBC, and contractors Carrina Maslovat, Dr. Hans Roemer, Matthew Fairbarns, Don Pigott and Sylvan Vale Nursery in Courtenay. Plant Ecologist, Polster Environmental Services Ltd., 5953 Deuchars Drive, Duncan, B.C. V9L 1L5. d.polster@telus.net, phone: (250) 746-8052, fax: (250) 746-5307. II, III, V
- Colin Rankin Alien invasive species, disturbance regimes, management planning. crankin@saltspring.com II, III, V
- Hans Roemer Victoria. Native plants ecology and distribution hlroemer@shaw.ca I
- Sylvan Vale Nursery Courtenay. Plant production and seed collection. svn@telus.net I

Mark Teshima Garry oak restoration in urban parklands. mteshima@sylvis.com V

Jamie Whitney Oak savannah restoration and stewardship.
jamiewhitney@netidea.com V

University of Alberta, Edmonton

Jens Roland Habitat loss/invasion impacts on rare butterflies
jroland@ualberta.ca I, III, IV, V

Wayne Hallstrom Invasives' effects on rare butterflies waynehallstrom@yahoo.com
I, III, IV, V

Private Alberta Workers

David Telfer Grasses in Garry oak ecosystems. telseed@telus.net O, V

University College of Cariboo, Kamloops, BC

Karl Larsen Small vertebrates (mammals, reptiles, amphibians).
klarsen@cariboo.bc.ca I, III

University of Guelph, Ontario

Shyanne Smith Rare plants in Garry oak ecosystems; parks management.
shyanne@uoguelph.ca I

UNITED STATES

Oregon

Dawn Anzinger Oregon State University, Corvallis. dawn.anzinger@oregonstate.edu

Peter Guillozet Hillsboro. guillozetp@cleanwaterservices.org

Keith Karoly Genetics and phylogeography of Garry oak, and sympatric larkspur and
Delphinium spp. (*D. nuttalli* and relatives). Reed College, Portland.

Keith.Karoly@directory.reed.edu I

Garry oak site:

www://academic.reed.edu/biology/professors/kkaroly/quga.html. I

Delphinium site: (per above to: "kkaroly/dodd.html" I

Allan Kitzman Oak restoration in the Willamette Valley. al.a.kitzman@co.benton.or.us

V

Andy Moldenke Interaction of pollinators and understorey plants in the oak savanna. Conservation concern because of the 350-400 species of native bees that once inhabited the Garry oak savannas north of California, probably 80% are now either extirpated or exist only in minute relict populations. Many of these imperiled species are specialist pollinators which visit only one species or genus of plant and hence provide an extremely faithful pollen vectoring mechanism.
Dept. of Botany & Plant Pathology, Cordley, Rm. 2064, Oregon State University, Corvallis. 97331 (541)737-5496.
moldenka@science.oregonstate.edu www.ent.orst.edu/moldenka **I, II, V?**

Patrick Hurley Land-use planning in Garry oak landscapes. Environmental Studies Program, University of Oregon, Eugene. Thesis info at:
<http://darkwing.uoregon.edu/~phurley/thesis.htm> **II?, IV?**

Rob Pabst Stand growth and modeling of Garry oak and associates. Department of Forest Science, Oregon State University, Corvallis. pabst@oregonstate.edu **O**

Darlene Southworth Comparison of Garry oak mycorrhizas on and off serpentine; Garry oak mycorrhizas in managed habitats (lawns, pastures, cemeteries); role of small mammals in dispersing hypogeous fungi that form mycorrhizas on Garry oak. southworth@sou.edu. Southern Oregon University, Ashland.
<http://www.sou.edu/BIOLOGY/biocomplex/Main.htm> **I**

Mike Shippey Oak savannah biology coyotecreekes@peoplepc.com **I**

Marcia Sinclair Oak savannah restoration. Willamette Restoration Initiative.
marcia@singingprairie.com **V**

Carolyn Ver Linden Oak savanna/prairie ecosystems and pollinators; gardening with native plants. Botany/Plant Pathology Dept., Oregon State University, Corvallis. (541) 737-5496
verlindc@science.oregonstate.edu **0, I, III, IV**

Washington

Connie Harrington Garry oak reproduction, biology & silviculture (i/c fire use, overtopping release, root systems, planting); invasive plants (eg. broom). (With Dave Peter and Warren Devine). US Forest Service, Olympia.
charrington@fs.fed.us **I, II, III, V**

Dave Peter (With Connie Harrington and Warren Devine). US Forest Service, Olympia. dpeter@fs.fed.us **I, II, III, V**

Warren Devine (With Connie Harrington & Dave Peter). US Forest Service, Olympia.
wdevine@fs.fed.us I, II, III, V

Peter Dunwiddie Oak meadow dynamics and restoration techniques (*Castilleja levisecta* on Whidbey Is.) The Nature Conservancy, Seattle.
pdunwiddie@tnc.org I, II, V

Tom Hinckley Physiological ecology of oak species. University of Washington /CUH/Forest Resources, Seattle. hinckley@u.washington.edu. O, I

Anne Andreu Seedbanks and fire effects (with Peter Dunwiddie). University of Washington, Seattle. agandreu@u.washington.edu I, III

Mitchell Almaguer-Bay Garry oak root architecture & water relations/epicormic branches re crown removal. Center for Urban Horticulture, College of Forest Resources, University of Washington, Seattle.
mabay@u.washington.edu. Tel:206-322-7056 I, II

Linda Storm U. of Washington & USEPA. Ecology of Garry oak and associated prairies; Traditional Ecological Knowledge of indigenous peoples.
Lstorm@U.Washington.edu I, V

Wendy Wayne *Castilleja levisecta* biology and restoration (with Peter Dunwiddie). University of Washington, Seattle. wendyway@u.washington.edu I, V

Bob Hansen Oak savannah restoration. bobhansen@gorge.net V

Judy Lantor General restoration. US Fish & Wildlife Service, Lacey, WA.
judy_lantor@fws.gov V

Scott Pearson, Ph.D., Natural Areas Ecologist, Washington Department of Natural Resources, Olympia. Streaked horned lark biology, genetics and habitat selection; research.
scott.pearson@wadnr.gov. I, V

Julie Whitacre Native plant propagation for restoration. fourthcornernurseries.com. V

California

Cynthia Roessler Oak restoration and planting; sudden oak death.
croessler@openspace.org III, V

Lindsay Upshaw California Academy of Sciences, San Francisco.
lindsayupshaw@yahoo.co.uk

Kimberlyn Williams Cal. State Univ. San Bernadino. Williams@csubedu

Idaho

Steve Rust Idaho Fish & Game Dep't. Oregon White Oak Group of NW Scientific Association. srust@idfg.state.id.us

Colorado

Kathryn King Oak/savannah restoration. Ksking55@earthlink.net V

Indiana

John Dollard. National Park Service, Indiana Dunes. Grass studies. jdollard@onshore.nc I

Jessica Hellman Biological Sciences, Univ. of Notre Dame. jhellman@nd.edu I

Travis Marisco Biological Sciences, Univ. of Notre Dame. Genetic studies in Garry oak. tmarisco@nd.edu I

Ohio

Mary Klunk. Midwest oak savannah and oak-hickory forest. mklunk@metroparks.org I

Wisconsin

Mark Leach University of Wisconsin. Midwestern oak savanna. mkleach@wisc.edu O

Mexico

Consuelo Bonfil Ciudad Universitaria, Mexico. Oakland regeneration and restoration cbs@ciencias.unam.mx V

England

Gordon Brent Ingram The World Conservation Union. Side_stream_environmental_design@yahoo.co.uk O, I, II, III, IV, V

India

Ashfaq, Ahmed Ph.D. candidate. Bombay Natural History Society, Mumbai. ashfaq_az@rediffmail.com