

THE UNIVERSITY OF BRITISH COLUMBIA
Curriculum Vitae

Date: 27 October 2008

1. **SURNAME:** Timko **FIRST NAME:** Joleen
MIDDLE NAME(S): Allison
2. **DEPARTMENT/SCHOOL:** Department of Forest Resources Management; University of British Columbia
3. **FACULTY:** Forestry

4. **POST-SECONDARY EDUCATION**

| University or Institution | Degree | Subject Area | Dates |
|--|--------|--|-----------|
| Dept of Forest Resources Mgmt, Univ. of British Columbia | PhD | Evaluation of social equity and ecological integrity in national parks | 2003-2008 |
| Resource Mgmt and Environmental Studies, Univ. of British Columbia | MSc | Sociocultural impacts of national parks | 1998-2001 |
| Dept of Biology, University of Victoria | BSc | Biology; Environmental Studies | 1991-1995 |

Title of Dissertation and Name of Supervisor

Title: Evaluating Ecological Integrity and Social Equity in National Parks: Case Studies in Canada and South Africa

Supervisors: Dr. Teresa Satterfield (Co-Chair), Inst. For Resources, Environment, and Sustainability
Dr. John L. Innes (Co-Chair), Faculty of Forestry

5. **RESEARCH AWARDS**

2007

Namkoong Family Fellowship (UBC Forestry) \$10, 000.00
Forest Leadership Conference Scholarship--Vancouver, BC \$500.00
Society for Conservation Biology Annual Meeting Travel Award—Port Elizabeth, South Africa \$935.00

2006

Canadian Window on International Development Award--International Development Research Centre (IDRC) \$16, 000.00
Tim and Ann O’Riordan Fellowship (UBC) \$16, 000.00

2005

Tim and Ann O’Riordan Fellowship (UBC) \$16, 000.00
Donald S. McPhee Fellowship (UBC Forestry) \$2, 000.00
IUCN (The World Conservation Union) South Africa \$3, 000.00

2004

Canon National Parks Science Scholars Program for the Americas—*Honourable Mention* \$1, 350.00

2003

Hampton Fund Research Grant, UBC \$8, 000.00

Alan Masters Memorial Award--Yoho Burgess Shale Foundation \$5, 000.00

2000

Ford Small Research Grant in South East Asian Studies \$5200.00

Innovative Research Award--Canadian International Development Agency (CIDA) \$10, 000.00

6. EMPLOYMENT RECORD

| University, Company or Organization | Rank or Title | Dates |
|---|---|-----------------------|
| Dept. of Wood Science, Faculty of Forestry, UBC | Research Associate | July 2008-present |
| Dept. of Geography, UBC | Sessional Instructor | Sept-Dec 2008 |
| Faculty of Forestry, UBC | Teaching Assistant | Sept-Dec 2007 |
| Faculty of Forestry, Univ. of British Columbia (UBC) | Co-Editor—conference proceedings | Jan 2005-March 2007 |
| Faculty of Forestry, Univ. of British Columbia (UBC) | Research Assistant | Jan-April 2006 |
| Faculty of Forestry, UBC | Teaching Assistant | Jan-April 2005 |
| Inst. For Resources, Env't, and Sustainability, UBC | Research Assistant | Nov 2003-Dec 2004 |
| Faculty of Anthropology & Sociology, UBC | Research Assistant | Sept 2003-Dec 2004 |
| Letts Envirowise Environment Consultants, Maple Ridge, BC | Field Biologist | May 2003-Sept 2003 |
| EMAN/Environment Canada, Government of Canada | Regional Coordinator (CCMN Pilot Project) | March 2002-April 2003 |
| Ministry of Sustainable Resource Management, Government of British Columbia | Project Manager | Jan-March 2003 |
| Dept. of Biological & Environmental Sciences, Mount Royal College, Calgary, Alberta | Ecology Lab Instructor | Sept-Dec 2002 |
| Dept. of Biological & Environmental Sciences, Mount Royal College, Calgary, Alberta | Biology Lab Instructor | Sept-Dec 2002 |
| Wildcanada.net | Conservation Stewardship Coordinator | Feb-Sept 2002 |
| Alberta Wilderness Association (AWA) | Conservation Specialist | May-Sept 2001 |
| Dept. of Geography, UBC | Teaching Assistant | Jan-April 2000 |
| Language Studies International, Vancouver, BC | Instructor- English as a Second Language | June-Sept 1999 |
| Faculty of Environmental Studies, York University | Teaching Assistant | Jan-April 1999 |
| Kananaskis Area Graduate Field Study, Alberta | Field Technician | May-July 1998 |
| Pandion Ecological Services | Field Biologist | May-July 1997 |

7. RESEARCH INTERESTS

I am interested in pursuing research that contributes to the complex goals of poverty alleviation, sustainable livelihoods, and natural resource conservation. I believe that sustainable solutions must be found to resolve the dilemmas of resource use and conservation. These must necessarily cross the disciplinary divides between the social and ecological realms.

My dissertation research asked: can national parks effectively protect ecological integrity and concurrently address social equity issues? It utilized a systematic effectiveness evaluation of six case study national parks in

Canada and South Africa. Purposive sampling was used to select the six case study national parks. Data sources included State of the Park Reports; park ecological monitoring data; archival data; and semi-structured interviews with park biologists, managers, and Indigenous members of park co-management boards. Three ecological criteria were evaluated: conservation of biological diversity, conservation of ecosystem processes, and mitigation of stressors and threats (i.e. exotic plants, poaching, disruption of native fire/flood cycles). Three social equity criteria were evaluated: land tenure and ownership, access to resources and livelihood opportunities, and participation in decision-making.

8. CONFERENCE PRESENTATIONS

2007

"Are Parks Working? A Summary of the Results and Challenges of Evaluating Ecological and Socio-Cultural Effectiveness in Case Study National Parks". Society for Conservation Biology 21st Annual Meeting: *One World, One Conservation, One Partnership*, Port Elizabeth, South Africa, 1-5 July 2007. Attendance: 130.

2006

"Results and Challenges of Evaluating Effectiveness in National Parks." British Columbia Protected Areas Research Forum: *Fostering Connections between Protected Areas and Research*, Victoria, BC, 4-6 December 2006. Attendance=45.

"Evaluating Ecological and Socio-Cultural Effectiveness in National Parks." 12th International Symposium on Society & Natural Resources: *Social Sciences in Resource Management: Global Challenges & Local Responses*, Vancouver, BC, 3-8 June 2006. Attendance=27.

"Evaluating Socio-Cultural and Ecological Effectiveness in National Parks: key criteria and indicators." The Society for Applied Anthropology Annual Meeting: *World on Edge*, Vancouver, BC, 28 March-2 April 2006. Attendance=38.

2005

"Evaluating Effectiveness in Parks: Does indigenous co- management make a difference?" The 2005 George Wright Society Biennial Conference on Parks, Protected Areas and Cultural Sites: *People, Places and Parks: Preservation for Future Generations*, Philadelphia, PA, 14-18 March 2005. Attendance=21.

2004

"Conservation At What Cost? The Social Implications of Protected Areas and the Role of Local People in Vietnam." 7th Annual Resource Management & Environmental Studies Student Conference: *Resources and Communities*, University of British Columbia, Vancouver, BC, 16 February 2004. Attendance=24.

2003

"A Conceptual Framework for Integrating Communities and Conservation". The Leading Edge Conference 2003: *Stewardship and Conservation in Canada*, Victoria, BC, 3-6 July 2003. Attendance=31.

9. WORKSHOP FACILITATION

2003

"Assessing Community Monitoring Needs and Priorities in Southwestern Alberta". Canadian Community Monitoring Network Workshop, Pincher Creek, Alberta.

10. LECTURES

- 2008** Lectures (8 x 1.5 hours) to 220 3rd year students in the Dept of Geography, University of British Columbia, Vancouver, British Columbia. Topics included: forests and forestry; forest based livelihoods; protected areas governance; climate change and governance; and effectiveness of protected areas
- 2006** Lecture (1 x 2 hours) to 15 graduate students in the Master's Course "Human Dimensions of Biological Conservation" at the Institute for Resources, Environment and Sustainability, University of British Columbia, Vancouver, British Columbia
- 2002** Lecture (6 x 1 hour) entitled "Personal Consumption, Ecological Footprint and Cumulative Impacts" to Grade 8 students (~150) at St. Vincent de Paul, Calgary, Alberta
- 2001** Lecture (6 x 1 hour) entitled "Bigger is Better: Wildlife Conservation in the Rocky Mountains" to Grade 7 and 8 students (~200) at St. Vincent de Paul, Calgary, Alberta
- 2001** Lecture (1x1 hour) entitles "People and Parks: Seeking Sustainable Relationships" to 100 3rd year undergraduate students in The Faculty of Geography, University of Calgary, Alberta

11. CONFERENCE AND WORKSHOP ATTENDANCE

2008

The Nature Conservancy: *Conservation Learning Exchange*, Vancouver, BC, 14-16 October 2008.

2007

Georgia Basin/Puget Sound Research Conference: *Applying Knowledge for the Salish Sea: Toward Collaborative Transboundary Solutions*, Vancouver, BC, 26-29 March 2007.

2006

Indigenous Corporate Training: *Working Effectively with Aboriginal People*. Vancouver, BC, 17 May 2006.

2005

The Sustainable Forest Management Network: *Aboriginal Field School*. Chase, BC, 6-8 September 2005.

2004

Centre for Applied Conservation Research, University of British Columbia: *Monitoring the Effectiveness of Biological Conservation*, Richmond, BC, 2-4 November 2004.

British Columbia Land Summit: *Working Together for Better Results*, Vancouver, BC, 12-14 May 2004.

2003

Round River Canada, Round River Conservation Studies (US), the Nature Conservancy of Canada, and the Institute for Resources and Environment at UBC: *Science and Application of Conservation Area Designs in Regional Land Use Planning & Natural Resource Management*, Vancouver, BC, 17-19 November 2003.

Georgia Basin/Puget Sound Research Conference: *Applying Science and Information to Sustainability in a Shared Transboundary Ecosystem*, Vancouver, BC, 31 March-3 April 2003.

Crown of the Continent Managers Partnership: *Addressing Regional Research Needs*, Waterton, AB, 26 January, 2003. (Invited Participant).

1997

International Institute on Participatory Development: *Promoting Participatory Development in a Period of Corporate Dominance in the World*, Calgary, AB, 20-23 November 1997.

12. **PUBLICATIONS-Completed**

Refereed Contributions

- Timko, J. and T. Satterfield. 2008. Criteria and Indicators for Evaluating Socio-Cultural and Ecological Effectiveness in National Parks and Protected Areas. *Natural Areas Journal* 28(3): 307-319.
- Coops, N.C., Timko, J.A., Wulder, M.A., White, J.C., Otrlepp, S.M. 2008. Investigating the effectiveness of mountain pine beetle mitigation strategies. *International Journal of Pest Management* 54(2): 151-165.
- Timko, J.A. and T. Satterfield. In Press. Seeking Equity in National Parks: Case Studies from South Africa and Canada. *Conservation & Society*.
- Timko, J.A. and J.L. Innes. In Press. Evaluating Ecological Integrity in National Parks: Case Studies in Canada and South Africa. *Biological Conservation*.
- Timko, J.A. 2006. Evaluating Effectiveness in Parks: Does indigenous co-management make a difference? Pages 219-225 in Proceedings of the 2005 George Wright Society Biennial Conference: Parks, Protected Areas and Cultural Sites, 14-18 March, 2005, Philadelphia, PA.
- Timko, J. 2005. A Conceptual Framework for Integrating Communities and Conservation in Canada. Pages 227-240 in Proceedings of The Leading Edge Conference 2003: Stewardship and Conservation in Canada, 3-6 July 2003, Victoria, BC.

Non-Refereed Contributions

- Timko, J. 2008. Review of "Reducing poverty and sustaining the environment: The politics of local engagement" (eds. Bass, Reid, Satterthwaite and Steel; London: Earthscan). *Environmental Politics*. 17(3): 514-515.
- Timko, J. 2008. Review of "Logjam: Deforestation and the Crisis of Global Governance" (Humphreys, 2006; London: Earthscan). *Environmental Politics*. 17(1): 174-175.
- Innes, J.L. and J.A. Timko (Editors.). 2007. Proceedings of the "Monitoring the Effectiveness of Biological Conservation" Conference, 2-4 November 2004, Richmond, BC. URL: <http://www.forrex.org/events/mebc/papers.html>.
- Innes, J.L. and J.A. Timko. 2007. Introduction. Pages 8-9 in Proceedings of the "Monitoring the Effectiveness of Biological Conservation" Conference, 2-4 November 2004, Richmond, BC. URL: <http://www.forrex.org/events/mebc/papers.html>
- Timko, J. 2006. Evaluating the Effectiveness of Beetle Management Strategies. Mountain Pine Beetle Initiative, Natural Resources Canada, Canadian Forest Service, Pacific Forestry Centre, Victoria, British Columbia. 18p.
- Timko, J. 2003. Participation in Community-based Ecological Monitoring. *Biosphere Reserves in Canada*, 15, p. 15.
- Timko, J. 2001. Conservation At What Cost? A Case Study of the Social Implications of Protected Areas and the Role of Local People in Vietnam. M.Sc. Thesis. The University of British Columbia: Vancouver, BC
- Timko, J. 2001. Kananaskis Country: Spray Lake Sawmills' Forest Management Agreement (FMA). *WildLands Advocate*, 9(5), 10.

13. PUBLICATIONS-In Progress

Timko, J.A. In Prep. A Fine Balance: evaluating case study national parks in Canada and South Africa for ecological integrity and social equity.

14. COMMITTEE MEMBERSHIP

2007-2009

Director-At-Large, Seymour Arm Community Associate (SACA)

2007-2008

Namkoong Teaching and Research Exchange, UBC Forestry-Selection Committee

15. PROFESSIONAL AFFILIATIONS

Centre for Applied Conservation Research (CACR)-University of British Columbia

Sustainable Forest Management Network (SFMN)

Society for Conservation Biology (SCB)

Society for Conservation Biology (SCB)-Africa Working Group

Society for Conservation Biology (SCB)-Social Science Working Group

Natural Areas Association

International Association for Society and Natural Resources (IASNR)

UBCAfrica Network

Environmental Studies Association of Canada (ESAC)

16. VOLUNTEER POSITIONS

Editor, Madagascar Conservation & Development (Journal)

<http://www.mwc-info.net/en/services/journal.htm>