

BHARAT POKHAREL

2103B Woodmar Drive, Houghton MI 49931, USA
Phone: (906) 483 8283, Email: bpokhare@mtu.edu

EDUCATION

- Michigan Technological University, Houghton MI 49931** 2004 – 08
Ph.D. in Forest Science (Forest Biometrics)
GPA: 3.98 (out of 4)
Dissertation: *A Critical Evaluation of Diameter Increment Modelling in the Great Lakes Region*
- Australian National University (ANU), Canberra ACT 0200, Australia** 1995 – 98
Bachelor of Science (Forestry) with First Class Honours
GPA: 6.4 (out of 7)
Honours Thesis: *Use of GIS and Modelling to Determine the Site Productivity of an Uneven-aged Forest*

WORK EXPERIENCE

- Research Assistant** 2004 – 08
SFRES, Michigan Technological University, Houghton MI 49931
Major Advisor: Dr. Robert E. Froese
- Community Assistant** 2006 – 08
Daniell Heights Apartments,
Michigan Technological University, Houghton MI 49931
- Instructor** Fall 2005
Measuring Forest Resources (FW2050)
Forest Measurement and Assessment (FW5030)
SFRES, Michigan Technological University, Houghton MI 49931
- Program Officer – Terai** 2002 – 04
Terai Arc Landscape Program
World Wildlife Fund (WWF) Nepal Program, Kathmandu, Nepal
- Project Manager** 2001 – 02
Sagarmatha Community Agro-Forestry Project
World Wildlife Fund (WWF) Nepal Program, Kathmandu, Nepal
- Project Field Officer** 1999 – 01
Sagarmatha Community Agro-Forestry Project
World Wildlife Fund (WWF) Nepal Program, Kathmandu, Nepal
- Data Collection and Research Assistant** Summer 1996
Student Summer Employment Scheme,
Department of Conservation and Natural Resources, Melbourne VIC 3000, Australia
- Ranger (Natural Resource Management)** 1993 – 94
Makalu-Barun National Park and Conservation Area Project
The Mountain Institute (TMI), Kathmandu, Nepal

SKILLS AND PROFESSIONAL DEVELOPMENT

LeaderShape 2008
The LeaderShape Institute Inc., Champaign, IL 61820, USA

Conservation Leadership 2003 – 05
WWF College for Conservation Leadership
(Distance learning course – 18 months)

Project Management Training (2 weeks) 2002
SEARCH, Baluwatar, Kathmandu, Nepal

Karuna Management Training (One week long, two times) 2000/01
Karuna Management Institute, Kathmandu, Nepal

Skills: Computer Software –, Microsoft office (Word, Excel, Powerpoint, Access),
JMP (Statistical Package) and The R Project for Statistical Computing

Excellent interpersonal and communication skills

PUBLICATIONS

Pokharel, B. 2008. A Critical Evaluation of Diameter Increment Modelling in the Great Lakes Region. Ph.D. Dissertation, Michigan Technological University, Houghton, Michigan, USA

Pokharel, B., R.E.Froese 2008. Evaluating Alternative Implementations of the Lake States FVS Diameter Increment Model. *Forest Ecology and Management*, 255(5-6): 1759-1771.

Pokharel, B. and R.E. Froese 2007. Evaluating alternative base functions for modelling diameter increment in Ontario. Report submitted to Ontario Ministry of Natural Resources, Ontario, Canada p79 (including appendices).

Pokharel, B. and R.E. Froese 2006. Single-tree, aspatial diameter increment models: literature review and analysis. Report submitted to Ontario Ministry of Natural Resources, Ontario, Canada p45

Pokharel, B. and R.E. Froese 2006. Validation, evaluation or evolution of diameter increment models in the Lake States FVS model family: an annotated bibliography. School of Forest Resources and Environmental Science, Michigan Technological University, Houghton, Michigan p15

Pokharel, B. 1998. Use of GIS and modelling to determine the site productivity of an uneven-aged forest. Honours Thesis, Australian National University, Canberra, Australia p97.

POSTER/PAPER PRESENTATIONS

Pokharel, B., R.E. Froese 2008. Why is the Performance of the Lake States Variant of FVS so Poor? Poster Presented at 6th Annual Forest and Wildlife Research Review Meeting, January 16, 2008, University of Minnesota Duluth, Minnesota.

Pokharel, B., R.E. Froese 2007. Analysis of Diameter Growth Engines Used in FVS Variants. Poster Presented at The Third Forest Vegetation Simulator (FVS) Conference,

February 13-15, 2007, USDA Forest Service, Forest Management Service Center, Fort Collins Colorado. Merit Award (Second Place).

Pokharel, B., R.E. Froese 2006. Validation of the Diameter Increment Model of the Lake States Variant of the Forest Vegetation Simulator (LS-FVS) Using Michigan Forest Inventory and Analysis Data. Presented at the Western Mensurationists' Meeting, June 18-20, 2006, Fortuna, California.

Pokharel, B., R.E. Froese 2006. Is the Diameter Increment Model of the Lake States Variant of FVS Unbiased? Poster Presented at Ecosystem Science Center Annual Graduate Research Forum, Michigan Technological University. Merit Award (Grand Prize, \$500 and a Plaque).

Pokharel, B., R.E. Froese 2006. Validation of Diameter Increment Model of the Lake States Variant of the Forest Vegetation Simulator Using Michigan Forest Inventory and Analysis Data. Poster Presented at 5th Annual Forest and Wildlife Research Review Meeting, January 11, 2006, University of Minnesota Duluth, Minnesota.

INVITED LECTURES

Guest Lecture: Pokharel, B. 2008. Issues, Challenge and Opportunities in Conservation: A Case from Eastern Himalayas. Conservation Biology (FW3410) Class, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton Michigan

Guest Lecture: Pokharel, B. 2007. Model Validation: A Case of Diameter Increment Model of Lake States Variant of Forest Vegetation Simulator (FVS). Applied Regression Analysis (FW5411) Class, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton Michigan

Guest Lecture: Pokharel, B. 2007. Nepal's Conservation Efforts: Issues, Challenges, and Opportunities in Conservation. Conservation Biology (FW3410) Class, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton Michigan

Guest Lecture: Pokharel, B. 2006. Linking Conservation with People's Livelihoods—a Case from Nepal's Conservation Endeavour. Conservation Biology (FW3410) Class, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton Michigan

Guest Lecture: Pokharel, B. 2005. Rhino Translocation: Challenges and Opportunities in Conservation. Conservation Biology (FW3410) Class, School of Forest Resources and Environmental Science, Michigan Technological University, Houghton Michigan

SERVICES

Community Assistant, Michigan Tech's Daniell Heights Apartments	2006 – 08
Co-chair of the International Honorary for Leaders in University Apartment Communities (IHLUAC) MTU Chapter, Michigan Tech.	2007 – 08
Member of Graduate Student Council, Michigan Tech.	2005 – 06
Treasurer, Daniell Heights Residents Council (DHRC), Michigan Tech.	2005 – 06

SCHOLARSHIP, PRIZES, AWARDS AND HONORS

- Graduate Dean’s Finishing Fellowship for summer 2008
Michigan Technological University, Houghton MI 49931 2008
- Above and beyond award – Daniell Heights Apartment
Michigan Technological University, Houghton MI 49931 2006
- Horner Hardwood Research Award (US\$ 1,000), School of Forest
Resources and Environmental Science, Michigan Technological
University, Houghton MI 49931 2006
- Graduate Travel Grant, Ecosystem Science Center 2006
- Graduate Research Grant (US\$750), Ecosystem Science Center 2005
- 2005’s Inductee of International Honorary for Leaders in University
Apartments Communities (IHLUAC) 2005
- Timbind Utilization Prize (a medal and A\$ 200), Boral Timber,
Bathurst NSW 2795, and Department of Forestry, Australian
National University, Canberra ACT 0200, Australia 1998
- State Forests of New South Wales Scholarship (A\$ 2000)
State Forests of NSW, Pennant Hills NSW 2120, Australia 1997-98
- AusAID (Australian Agency for International Development)
Scholarship (Year 12 and Undergraduate Studies at
Canberra Institute of Technology (CIT) and ANU, Australia) 1994-98