



## NRES WEEKLY NEWS

### January 19, 2007

A newsletter for faculty, staff and students  
who participate in the  
Natural Resources & Environmental Studies Institute  
and NRES Graduate Programs

## NRESI RESEARCH COLLOQUIUM SERIES

**FRIDAY, JANUARY 19**

Dr. Ken Otter  
Ecosystem Science and Management, UNBC

**"Habitat quality, matrix concepts and reproductive behaviour in chickadees"**

Forest harvesting can fragment the landscapes for forest-dependent species, creating habitat patches separated by expanses of less-hospitable habitat (called "the matrix"). Such isolation can affect the potential for dispersal among forest patches, which can affect population dynamics of forest species. Recently, reforestation practices have been proposed to help mitigate these effects by creating habitat matrices that facilitate inter-patch dispersal, or even serve as alternate breeding habitat for generalist species. However, the mere utilization of managed landscapes by forest birds may not necessarily ensure that habitats remain of adequate quality to sustain populations.



I will discuss habitat quality concepts in light of our own research on breeding and behaviour of black-capped chickadees habitats of different ages, and parallel research on Eurasian tit species, to assess proposed ideas in matrix-habitat management.

**Friday, January 19, 2007**  
**3:30—4:30 pm.**

**Lecture Theatre 7-158**

The next NRESI Research Colloquium Series will be on **February 9, 2007**  
featuring Dr. Kevin Tory, Australian Bureau of Meteorology

**REMINDER:** Share your information about recent publications, grants, and /or other honours you may have received with others interested in NRES issues.

**PLEASE EMAIL ALL INFORMATION AND MATERIAL to**  
**Elissa Zemplak: [zemplak@unbc.ca](mailto:zemplak@unbc.ca)**

**We're on the web at: [www.unbc.ca/nres/newsletter](http://www.unbc.ca/nres/newsletter)**



## **PUBLICATIONS**

**Fredeen, A.L.**, Waughtal, J.D., Pypker, T.G. 2007. When do re-planted sub-boreal clearcuts become net sinks for CO<sub>2</sub>? *Forest Ecology and Management*. 239: 210-216.

## **PRESENTATIONS**

**Mike Gillingham, Staffan Lindgren** and adjuncts **Phil Burton** and **Craig DeLong** made invited presentations at the "PG LOWG Biodiversity Workshop – Tools for effective management of biodiversity at multiple scales", held in Prince George, BC, January 18, 2007.

## **TRAVEL**

**Rob Higgins** (PhD (NRES) candidate) and **Duncan McCoil** (MSc (NRES Biology) candidate) are in Sacramento, California, attending a two-day course on the software package PC-ORD.