

## A. Lee Foote

- Education:** PhD. Ecology, Utah State University 1990  
MSc. Wildlife Management, Louisiana State University 1983  
BSc. Forestry, Louisiana State University, 1979
- Employment:** 1 July 2000 - Present Associate Professor, University of Alberta  
1997-2000 Independent consultant, technical writer  
1994-1997 Research Ecologist, US Geological Survey  
1990- 1994 Research Ecologist, US Fish and Wildlife Service  
1985- 1990 Research Assistant, Utah State University

### **A. Refereed publications/books accepted for publication (2006) (asterisk indicates co-authorship with graduate students)**

- Foote, AL** and G. Wenzel. Conservation Hunting. Submitted chapter (in) Consumptive Wildlife Tourism - Hunting, Shooting and Sport Fishing (B. Lovelock Ed.). (In Press 2007).
- Hornung, J. and A. L. Foote. Comparing dietary preferences of bufflehead ducklings in western Canada through gut content and stable isotope analysis. Aquatic Ecology (In Press).
- Stevens, C, C Paszkowski, and **AL Foote**. Beaver (*Castor canadensis*) as a surrogate species for conserving anuran amphibians on boreal streams. Biological Conservation. (In press 2007) .
- JR Walker, **AL Foote**, and MG Sullivan. The effects of an enhanced fisheries enforcement strategy on deterring illegal harvest by anglers on Northern Pike. North American Journal of Fisheries Management (In Submission 2007)
- Foote, AL** and NT Krogman. 2006. Boreal wetlands in Alberta: State of our knowledge and agents of change. Forestry Chronicle. 82(6):1-9.

### **B. Refereed publications, books, and book chapters since appointment**

- Hornung, JP and **AL Foote** Hornung 2006. Aquatic invertebrate responses to fish presence and vegetation complexity in western boreal wetlands with implications for waterbird productivity. Wetlands (26)2:1-12
- Martell, KA., **AL Foote**, and SG Cumming. 2006. Riparian disturbance due to beavers (*Castor canadensis*) in Alberta's boreal mixedwood forests: Implications for forest management. Ecoscience 13 (2):164-171.

- Footo, AL** and MG Sullivan. (2006). The future of wildlife management in Alberta. Fish, Fur and Feathers: History of Wildlife Management in Alberta (P Rowell Ed.).
- Footo, AL** and CL Rice. 2005. Odonates as biological indicators of grazed and ungrazed Canadian prairie wetlands. *Ecological Entomology*. 30:1-11.
- Johnson, LA and **AL Footo**. 2005. Effects of impoundment management and herbivory on wetland production and plant stand structure. *Wetlands* 25(1):38-50.
- Footo, AL**. 2005. Principles, Perspectives and Ethics of Conservation-hunting. Pp 65-68 (*In*) Conservation Hunting: People and Wildlife in Canada's North. Milton Freeman, Bob Hudson and Lee Footo (Eds). Canadian Circumpolar Institute Occasional Publication No. 56.
- Freeman, M, RJ Hudson, and **AL Footo** (eds). 2005. Conservation hunting: people and wildlife in Canada's North. Canadian Circumpolar Institute, Occasional Publication No. 56. 112 pp.
- Footo, AL**, NT Krogman, IM Grundy, N Nemarundwe, BM Campbell, J Gambiza, and L Gibbs. 2003. Ilala palm (*Hyphane petersiana*) use in southern Zimbabwe: social and ecological factors influencing sustainability. *Forests, Trees and Livelihoods* 13(4) 275-296.
- Albano, G,B, Campbell, **AL Footo**, J Gambiza, I Grundy, C N'gonu and C Tafangenyasha. 2000. The ecological impacts of Ilala Palm Utilisation (Chapter 4, pp 30-41 ) *in* The ecology, control and economics of Ilala Palm in Sengwe Communal Area, Zimbabwe. Institute of Environmental Studies Paper No. 15. Harare, Zimbabwe.

### **C. Other refereed publications**

- Carter, J, **AL Footo**, and LA Johnson-Randall. 1999. Modeling the effects of nutria (*Myocastor coypus*) on wetland loss. *Wetlands* 19(1):209-219.
- Johnson, LA, and **AL Footo**. 1997. Vertebrate herbivory on managed coastal wetlands: a manipulative experiment. *Aquatic Botany* 59(1):17-32.
- Footo, AL** and KA Reynolds. 1997. Salt meadow cordgrass (*Spartina patens*) decomposition and its importance in Louisiana coastal marshes. *Estuaries* 20(3):579-588.
- Reed, DJ, N DeLuca, and **AL Footo**. 1997. The effect of hydrologic management on marsh surface sediment deposition in coastal Louisiana. *Estuaries* 20(2):301-311.

- Foote, AL** 1996. Coastal wetlands: A question of management. (In) J. A. Ratti (ed.) Seventh International Ducks Unlimited, Waterfowl and Wetlands Symposium (reviewed). Allen Press Inc., Lawrence Kansas.
- Foote, AL**, S Pandey, and NT Krogman. 1996. Processes of wetland loss in India. *Environmental Conservation* 23(1):45-54.
- Foote, AL** and KA Reynolds. 1995. Manual of safe airboat operation. National Biological Service, Southern Science Center Open File Report 95-04 (peer reviewed). 58 pp.
- Foote, AL** 1995. Conservation of coastal marshes in *Encyclopedia of Conservation and Environmentalism* (Ed) Robert Paehlke. Garland Publishing Inc., New York, New York.
- Dingler, JR, SA Hsu, and **AL Foote**. 1995. Wind shear stress measurements in a coastal marsh during Hurricane Andrew. *Journal of Coastal Research* 21:295-305.
- Jackson, LL, **AL Foote**, and LS Balistrieri. 1995. Hydrological, geomorphological, and chemical effects of Hurricane Andrew on coastal marshes of Louisiana. *Journal of Coastal Research* 21:306-323.
- GR Guntenspergen, DR Cahoon, JB Grace, GD Steyer, S Fournet, MA Townsend, and **AL Foote**. 1995. Disturbance and recovery of the Louisiana coastal marsh landscape from the impacts of Hurricane Andrew. *Journal of Coastal Research* 21:324-339.
- Taylor, KL, JB Grace, GR Guntenspergen, and **AL Foote**. 1994. The interactive effects of herbivory and fire on an oligohaline marsh, Little Lake, Louisiana, USA. *Wetlands* 14(2)82-87.
- Guntenspergen, GR, **AL Foote**, and EC Pendelton. 1993. Experiment to determine value of impoundments and hydrologic manipulation in restoration of Louisiana coastal wetlands. *Restoration & Management Notes*. 11(1):64-65.
- Jackson, LL, **AL Foote**, LS Balistrieri, and KS Smith. 1993. The effects of Hurricane Andrew on coastal marshes in Terrebonne basin, Louisiana. American Chemical Society, Denver, CO, Division of Geochemistry Paper #4.

- Pendleton, EC, **A L Foote**, and GR Guntenspergen. 1991. Managing Louisiana marshes -- an experimental approach. pp 235-246 (in) H. Suzanne Bolton and O. T. Magoon (Eds) 1991. Coastal Wetlands. American Society of Civil Engineers New York, NY.
- Cramer, KC, **AL Foote**, and JA Chapman. 1990. Small mammal records from Dolphin Island, The Great Salt Lake, and other localities in the Bonneville Basin, Utah. Great Basin Naturalist 50(3):283-289.
- Foote, AL** 1989. Response of nesting waterfowl to flooding in Great Salt Lake wetlands. Great Basin Naturalist 49(4):614-617.
- Foote, AL 1988**. Plants important to birds in Great Salt Lake Wetlands. Utah Birds 4(1)21-30.
- Foote, AL**, JA. Kadlec, and BK Campbell. 1988. Insect herbivory on an inland brackish wetland. Wetlands 8:67-74.
- Foote, AL** and JA Kadlec. 1988. Effects of wave energy on plant establishment in shallow lacustrine wetlands. Journal of Freshwater Ecology 4(4):523-532.

### **C. Papers and Book Chapters In preparation**

- \*E. Jasinska, **AL Foote**, and JP Hornung. Soft organic pond bottoms as habitat for aquatic invertebrates. (for Wetlands Journal)
- Kepe, T, M Luckert, W. DeJong, **AL Foote**, and M. Madzwamuse. (re-submission has stalled for 2 years) Synergies and Tensions Between Values of Land and Property Rights on the Wild Coast of South Africa" (for Journal of Contemporary African Studies).
- \*Flynn, NJ, **AL Foote**, and S Cumming. Spatial arrangements and interactions of riparian obstructions (dams and road grades) in Alberta's boreal mixedwood region. (for Canadian Journal of Forest Research).
- Arsenau, TJ, **AL Foote**, and A McGregor. Incidence and health implications of throat lice (*Piagetiella peralis*, Mallophaga) feeding on newly hatched American White Pelicans, Lac LaBiche, Alberta. (will form the focus of an undergraduate research special problems course in Fall 2006, leading toward undergraduate publication)
- Cooper, NJ, **AL Foote**, W. Tedder, and M McKinnon. Pattern, chronology and limitations of wetland plant establishment on oil sand reclamation soils. (for Restoration Ecology).

**D. Working Papers, Proceedings, Research reports, and other Scholarly Works**

Many of the audiences I feel are important to reach with research results, or philosophical messages are isolated from standard academic outlets (refereed journals, symposia at professional societies or universities), consequently to have an impact on the resource, for example, furbearers in Alberta, I needed to write directly to their trade magazine and present to their chapters.

Hornung, JP and **AL Foote**. 2006. Mallard duckling dietary analysis over three landscapes: the importance of Coleoptera. (Accepted extended abstract), 3<sup>rd</sup> North American Duck Symposium, Jamestown North Dakota 22-24 August.

**Foote, AL**, 2006. Implications of listing polar bears as a threatened species (US designation). Review and briefing to the US Fish and Wildlife Service on behalf of the North American Sustainable Use Specialist Group of IUCN, 15 March 2006

**Foote, AL** 2006. NASUSG calls for freeze on polar bear reclassification. Article for *Sustainable*, the newsletter of the IUCN SSC Sustainable Use Specialist Group June edition.

**Foote, AL** 2006. The perfect hunting companion. Newsletter of the Alberta Falconry Association 6(2):6-8.

**Foote, A. L.** 2005. Invited article “Head to Head” Saskatchewan Game Warden Magazine. Fall issue.

**Foote, A. L.** 2005. The Concept of “use” to conserve wildlife and their habitats. ERSC Partners in Stewardship (Vol 5, Issue 3 pp 10)  
<http://www.ualberta.ca/ERSC/enews/vol5issue3.pdf>

**Foote, A. L.** 2005. Dancing in the minefield; advocacy academia and science. Proceedings of the 23<sup>rd</sup> Annual Meeting of the Association of Western Fish and Wildlife Managers (In Press) (also a presentation).

Heckbert, M., R. Arbuckle, G. Beyersbergen, N. Cool, M. Hervieux, C. Brown, K. Banister, S. Watts, B. Cleave, M. White, K. Kushner, L. Fullerton, **L. Foote**, and L. Murphy. 2004. Alberta Trumpeter Swan Recovery Plan, 2003-2008. Alberta Sustainable Resource Development, Fish and Wildlife Division, Alberta Species at Risk Recovery Plan No. 4. Edmonton, AB. 25 pp.

- Walker, J. R., **A. L. Foote**, and M. G. Sullivan. 2004. Effects of enhanced enforcement on deterring illegal angling harvest. Published abstract Fourth World Fisheries Conference, Session Q1-8, 2-6 May Vancouver, BC, Canada.
- Walker, J. R., **A. L. Foote**, and M. G. Sullivan. 2004. Violation detection of walleye size-limit regulations by conservation officers. . Published abstract Fourth World Fisheries Conference, Session Q1-8, 2-6 May Vancouver, BC, Canada.
- Browne, C., R. Chapman, **A. L. Foote**, and C. Paszkowski. 2004. Habitat Use of the Western Toad (*Bufo boreas*) in the Aspen Parkland. Results from surveys and radio-tracking. The Trumpeter, Friends of Elk Island National Park Newsletter.
- Foote, A. L.**, and C. Paszkowski. 2004 Ecological site assessment of Pylapow Wetlands. White paper to the City of Edmonton Parks and Planning Dept. 4 pp.
- Schmiegelow, F., V. Adamowicz, G. Armstrong, S. Boutin, F. Bunnell, E. Butterworth, S. Cumming, **L. Foote**, G. Hauer, W. Kurz, and M. Webber. 2004. A bioregional assessment of sustainable forest management for the boreal plains. Published research report Sustainable Forest Management Network. P 29.
- Foote, A. L.** 2003. Review of *Watershed: Reflections on Water* by Grant MacEwan. New West Press. Review published in Great Plains Research 3:(1) 163.
- Foote, A.L.** and S. G. Cumming 2003. Measuring and modeling wetland disturbances in western boreal mixedwood ecosystems. Published research report. Sustainable Forest Management Network research program p 32.
- Schmiegelow, F. K., V. Adamowicz, G. Armstrong, S. Boutin, F. Bunnell, E. Butterworth, S. Cumming, **L. Foote**, G. Hauer, and W. Kurz. 2003. A bioregional assessment of sustainable forest management for the boreal plains. Published research report. Sustainable Forest Management Network research program, p 36.
- Foote, A. L.** and M. G. Sullivan. 2003. An interactive simulation model of Trumpeter Swan population dynamics in Alberta. Presented to the Alberta SRD Trumpeter Swan Recovery Team.
- Foote A. L.** (and 11 others) 2003. Strategic planning for enhancing environmental goods and services on Alberta agricultural Land. AESA document 65 pp.

- Foote, A. L.** 2002. In the spotlight (Fair Game). Outdoor Canada May 2002. Invited article.
- Foote, A. L.** 2002. Shoot-for-pay wildlife farms in Alberta: 10 flaws. The Alberta Game Warden 14(2):14-18.
- Foote, A. L.,** M. Boyce, C. St.Clair, F. Schmiegelow, and B. Samuel. 2002. Shoot-for-pay wildlife farms in Alberta: 10 Flaws. White paper delivered to all Alberta MLAs.
- Foote, A. L.** 2001. The irreducibility of hunting. Fair Chase 16(2):26-31.
- Foote, A. L. 2000.** Sediment dynamics of the Congaree River through Congaree Swamp National Monument, 1996-1998. Pp 1-42 in D. R. Cahoon, A. L. Foote, and W. Rizzo, Ecological Processes and profiles on major waterways in Congaree Swamp National Monument and Big Thicket National Preserve. U. S. Geological Survey Project Number 95-6.
- Foote, A. L.** 1995. Book Review: Rivers of the United States, Volume I, Estuaries. Wetlands 16(1):99

## **E. Presentations**

I have not shied away from dealing with controversial topics (academic advocacy, cumulative impacts of petroleum exploration, riparian policy, sustainable use of wildlife, conservation through hunting, wetland loss and its causes). In these presentations I try to deal with the issues even-handedly while still providing my perspective in as transparent and substantiated way as possible. Audiences seem to appreciate this approach even though it often generates debate and discussion. This I believe is an important expectation of academics; consequently, I have had numerous opportunities and invitations to speak as a plenary or keynote speaker.

### **1. Invited Presentations since 2000**

Canadian Circumpolar Institute Northstars. Invited guest speaker on Advocacy in Science. 14 February, 2006, Edmonton, AB. (Attendance 13)

Placing reclaimed oil sand wetlands in perspective: analyses of time, experiments, and natural analogs. Invited seminar to Suncor Ltd. Reclamation seminar series. 19 Dec 2005, Fort McMurray, AB. (Attendance 14).

Scientists as advocates: Wisely outspoken or career kamikazes? Environment Canada Seminar Series 29 May 2006. (Attendance 28)

Plenary speaker ENCS Graduation Ceremony 8 April 2006. (Attendance 75)

City and university: Would you like to dance? Presentation to Urban Region Research and Management Forum 7 March 2005, Edmonton, AB. (Attendance 95). Full recorded transcript available at:

<http://www.munimall.net/conference/05/presentations.nclk>

**Footo, AL** and Lynnette Dagenais. Bird assemblages as integrators and indicators of habitat change and reclamation in oil sands operational areas. Cumulative Effects Management Association December 2005, Calgary, AB (Attendance 9)

Advocacy, science & policy or, Do scientists and laypersons 'know' things in the same way? Department of Renewable Resources Seminar Series, 1 Dec 2005. (Attendance 100)

Rot, Salt and Mud: Management systems on organic versus mineral soils. International Peat Ecology Research Group Annual Meeting, Windsor, Ontario. 22 March 2005. (Attendance 38)

Beaver impacts in boreal ecosystems. Ducks Unlimited Science Team Workshop. DUC boardroom, Edmonton, Alberta. 24 March 2005. (Attendance 19)

Alberta Wildlife Research Canmore Festival of Eagles 17 Oct 2004 (Attendance 40).

Conservation and Falconry. (**Keynote Speaker**) Alberta Falconry Association Milk River, AB, October 2005. (Attendance 85).

Wetland Acquisition Presentation to Edmonton City Planning Commission 30 May 2005. (Attendance 19)

Principles of Hunting Conservation. (**Plenary**) People Wildlife and Hunting Conference, 21-23 October, 2005, Edmonton, AB (Attendance 150)

International development and wetlands 1 hr seminar for Engineers without Borders, Edmonton 2004. (Attendance 25).

Do wildlife influences shape the boreal forest? Environmental Research and Studies Committee Under the Boreal Lights Series. 30 September 2004, Edmonton, AB.(Attendance 55)

Principles and opportunities of conservation hunting. (**Plenary**) People, Wildlife and Hunting Conference, Greenwood Inn, Edmonton, AB 21-23 Oct. 2004 (Attendance 95).

Alberta wetlands: The joke is on us! Environmental Research and Studies Centre Lecture series. 23 January, 2003, Edmonton, AB. (Attendance 90)



Creating oil sands wetlands. CONRAD Oil Sands symposium, 12-13 May 2003, Edmonton, AB (Attendance 170)

**Foote, A. L.** and J. A. Ciborowski. Next steps for current wetlands/aquatics research. CONRAD Wetlands and Aquatics Working Group 22-23 April 2003 (Attendance 22)

Wetland reclamation: Land reclamations difficult stepchild. Cumulative Effects Management Association (CEMA) conference, Fort MacMurray, AB 1-3 October 2003. (Attendance 65).

Understanding and managing riparian dynamics in boreal ecosystems. Alberta Soil Science Workshop, forestry Technical Session, 20 Feb 2003 Grande Prairie, AB. (Attendance 50)

Cooper, N.J. and **A. L. Foote** 2003. Revegetation of composite/consolidated tailings wetlands using donor wetland soils in the oil sands mining region of Fort MacMurray, Alberta. Canadian Land Reclamation Association (CLRA) ACRSD 28<sup>th</sup> Annual Meeting, Sudbury, Ont. 25-28 May. (Attendance 75).

Riparian dynamics in the boreal mixed wood zone. Alberta Pacific land user advisory group (LUAG) Edmonton Alberta, 16 April 2003. (Attendance 35).

Boreal riparian disturbance factors : roads and Beavers. ALPAC Environmental Services Seminar, Athabasca, AB. 2 June 2003. (Attendance 16).

Wetland dependent wildlife and the culture of conservation. Alberta Swan Festival, Grande Prairie Regional College, 27 April 2002. (Attendance 40)

Boreal riparian zones: What might be the risks of Alberta's northern development? (**Plenary**) 13<sup>th</sup> Annual Meeting of the Alberta Wildlife Society, Edmonton, AB 7 March 2002 (Attendance 250).

The essence of wildlife conservation is cooperation. (**Plenary**) Alberta Professional Outfitters Society. 13 Dec. 2002, Edmonton, AB. (Attendance 170).

Hunting ethics and conservation biology. Board of Directors Delta Waterfowl Foundation, Calgary, AB November 2002 (Attendance 18).

Perspectives of a hunting ecologist. (**Plenary**) Alberta Fish and Game Association Annual General Meeting., 24 Feb. 2002, Edmonton, AB. (Attendance 375)

Hydrology Ecology and Disturbance in Pre-Extraction Hydrologic Regimes. CONRAD Energy Technical Symposium. 3 May 2001, Alberta Research Council, Edmonton, AB – (Attendance 75)

Habitat management from demure to draconian. Landscape Ecology Research Seminar Series Spring 2001 (Attendance 60).

Fur coats, SRVs and Skiing Vegans: the mythical non-consumer". Lister Hall Environmental Seminar Series 26 March 2001(Attendance 25).

## **2. Offered Presentations since appointment**

**Foote, AL**, N Flynn, K Martell, and S. Cumming. Beavers recolonize and reconfigure the Boreal Plain ecosystem; Now, what are we going to do about it? Sustainable Forest Management Network Symposium 20-23 June 2006, Edmonton, AB. (with published abstracts) (attendance 45)

**Foote, AL**, S. Spencer, and MG Sullivan. Fishing as an act of faith: Is there room for science? International Symposium for Sustainable Resource Management, 19-22 May 2006. Vancouver, British Columbia.

McGregor, A, **AL Foote**, MG Sullivan and C Davis. Foraging efficiency and replacement of top predators in aquatic foodwebs. 59<sup>th</sup> Canadian Conference for Fisheries Research, 5-7 January 2006, Calgary, AB.

Spencer, S, MG Sullivan, and **AL Foote**. Are Alberta's walleye shrinking. 59<sup>th</sup> Canadian Conference for Fisheries Research, 5-7 January 2006, Calgary, AB  
Spencer, SC, **AL Foote** MG Sullivan. Fishing as an act of faith: is there room for science? International Symposium on Sustainable Resource Management. May 2006. Vancouver, BC. (Attendance 40).

Flynn, N. and **A. L. Foote**, and S. G. Cumming. Beavers at a crossroads: Effects of culverts on beaver pond distribution. ACA Partners in Conservation Conference. Calgary, Alberta. 27-28 January 2005.(Attendance 140)

Cooper, N.J. , **A. L. Foote**, W. Tedder, and J. R. Gulley. 2005. Revegetation of consolidated tailings wetlands: challenges, successes and future directions. 44<sup>th</sup> Annual Conference of the Canadian Society of Environmental Biologists, Edmonton, AB. 27-29 October 2005.

Stevens, C., C. Paszkowski, and **L. Foote**. Beaver (*Castor canadensis*) as a surrogate species for conserving anuran amphibians on boreal streams. Canadian Amphibian Network Conference, Victoria Park, Ottawa, Ontario 17 September 2005.

**Foote, A. L.**, N. J. Flynn, and K. A. Martell. 2004. Beaver-induced reconfiguration of riparian dynamics in Canada's boreal plain ecozone: a 50-year chronosequence at multiple scales. The Wildlife Society's 11<sup>th</sup> Annual Conference, Calgary, AB 18-22 September. (Attendance 80)

Walker, J.R., **A. L. Foote**, and M.G. Sullivan. What should we care about when attempting to reconcile fisheries with conservation?; Effects of enhanced

enforcement on deterring illegal angling harvest. (Session Q1) Fourth World Fisheries Conference, Vancouver, BC. 2-6 May 2004. (published abstract listed separately in IB above) (Attendance 175).

Walker, J.R., **A. L. Foote**, and M.G. Sullivan. Reconciling fisheries with conservation and sport fisheries: how sport fisheries can minimize fish mortality and maximize value. (Session Q1-8) Fourth World Fisheries Conference, Vancouver, BC. 2-6 May 2004. (published abstract listed separately in I-B above) (Attendance 175)

Barr, L., **A. L. Foote**, and J. Ciborowski. 2004 The Relationship between Sediment Type and Benthic Macroinvertebrates mediated through Aquatic Macrophyte Development: Experimental Sediment Exchanges between Natural and Constructed Wetlands on Oil Sands Leases, near Fort McMurray Alberta. Alberta Watershed Techniques Symposium, Alberta Research Council, Edmonton, AB. (Attendance 50)

Walker, J. R., **A. L. Foote**, and M. G. Sullivan. 2004. Why anglers cheat: responses to fishing quality, risk perceptions of enforcement, and historical context. 10<sup>th</sup> International Symposium on Society and Resource Management. 2-6 June, Keystone, Colorado, USA. (Attendance 75)

Martell, K., **A. L. Foote**, and S. G. Cumming. Riparian disturbance due to beavers in Alberta's boreal mixedwood forests – implications for forest management. 5<sup>th</sup> International Conference on Disturbance Dynamics in Boreal Ecosystems. Dubna USSR, Aug 1-6. 2004. (Attendance 65)

Flynn, N. J., **A. L. Foote** and S. Cumming. 2004 Effects of Road Crossings on Small and Large Scale Beaver Pond Dynamics in the Boreal Mixedwood. Forest Fish and Lands Conference, Calgary, AB. (Attendance 90)

Martell, K. A., **A. L. Foote**, and S. G. Cumming. 2003. Aquatic fragmentation due to road crossings in boreal Alberta: are roads a human beaver dam? 24<sup>th</sup> annual meeting of the Society of Wetland Scientists. New Orleans, Louisiana, USA. 8-13 June. (70 attendance).

Cooper, N. J. **A. L. Foote**. 2003. Revegetating composite/consolidated tailings wetlands using donor wetland soils in the oil sand mining region of Fort MacMurray, Alberta. 24<sup>th</sup> annual meeting of the Society of Wetland Scientists. New Orleans, Louisiana, USA. 8-13 June. (Attendance 40).

Rice, C. L. and **A. L. Foote** 2003. Investigating odonate (dragonfly and damselfly) community structure as an accurate and dependable biological indicator of cattle disturbance in wetlands of southern Alberta. (Poster) Alberta North American Waterfowl Management Plan Biodiversity Conference. Edmonton, AB. 10-11 March. (Attendance 180)

Stavne, R, J.E. Thompson and **A.L. Foote** 2003. Effects of cattle grazing on wetland bird communities in the aspen parkland of Alberta. Alberta Chapter of The Wildlife Society. 31 Feb – 1 May 03. Red Deer, AB. (Attendance 300).

Stavne, R.S., J.E. Thompson, and **A.L. Foote**. March 2003. Effects of cattle grazing on wetland bird communities in the aspen parkland of Alberta. Oral Presentation. Alberta North American Waterfowl Management Plan, Edmonton, Alberta. (Attendance 100).

Stavne, R.S., J.E. Thompson, and **A.L. Foote**. September 2003. Effects of cattle grazing on wetland bird communities in the Aspen Parkland of Alberta. Oral Presentation. The Wildlife Society, Burlington, Vermont. (Attendance 150).

Rice, C. and **A. L. Foote**. 2002 Odonates (dragonflies and damselflies) as bio-indicators of wetland habitat quality in prairie wetlands. Oral Presentation, Society of Wetland Scientists 23rd Annual Meeting, June 2-7, Lake Placid, NY, USA. (Attendance 60)

Rice, C. and **A. L. Foote**. 2002. Odonates (dragonflies and damselflies) as bio-indicators of wetland habitat quality in prairie wetlands. Oral Presentation, North American Benthological Society, May 27 – June 1, Pittsburgh, PA, USA. (Attendance Unknown)

Rice, C. and **A. L. Foote**. 2002. Investigating odonates (dragonflies and damselflies) as bio-indicators of aquatic macro-invertebrate communities and habitat quality at prairie wetlands. Oral Presentation, Alberta Chapter of the Wildlife Society, March 7 – 9, 2002, Edmonton, AB, CA. (Attendance 30)

Stavne, R. B. , J. E. Thompson, and **A. L. Foote**. 2002 The effects of cattle grazing on wetland Bird Communities in the Aspen Parkland. Oral presentation, Ducks Unlimited Canada Cover Working Group, Annual Meeting, 10-11 September, Nisku, AB. (Attendance 45)

Stavne, R. B. , J. E. Thompson, and **A. L. Foote**. 2002 The effects of cattle grazing on wetland-dependent birds in the Aspen Parkland. Poster Presentation, 13<sup>th</sup> Annual Meeting and Conference, Alberta Chapter of The Wildlife Society. March 7-9, Edmonton, AB. (Attendance 20)

Maile, B., J. H. Devries, M. G. Anderson, D. W. Howerter, G. Holyroyd and **A. L. Foote**. 2001. Buffer prey response to managed dense nesting cover in Saskatchewan and Manitoba. Annual Research Symposium of the Institute for Wetlands and Waterfowl Research, Winnipeg, Manitoba. (Attendance 45)

J. B. Pollard, D. Kay, B. Arner, **A. L. Foote**, L. Armstrong, and G. R. Stewart. 2000. Furthering our understanding of wetland-dependent avian use of the Western Boreal Forest. Quebec 2000 Millennium Wetland Event, August 6-12 Quebec, Canada. (Audience 70)

K. J. Devito, S. E. Bayley, I. F. Creed, **A. L. Foote**, and J. B. Pollard. 2000. Investigating the ecological and hydrologic functions of Western Boreal Forest Wetlands. Quebec 2000 Millennium Wetland Event, August 6-12 Quebec, Canada. (Attendance 130)

Devito, K. J., Ferone, J., Creed, I. F. Pollard, B., Foote, L. , and Bayley, S. 2000 Climate hydrogeology, and water chemistry relationships in wetland-pond complexes of the western boreal forest: preliminary results. Canadian Geophysical Union Symposium, May, Banff, Alberta. (Attendance unknown)

*Prior to 2000 I presented or co-presented over 75 scientific papers and posters at national and international venues.*

### **3. Posters Since 2000**

**Foote, A. L.** ACA Grants in Biodiversity 2004. The Alberta Fish and Game Association 75<sup>th</sup> Annual Conference: Conserving our Heritage. Leduc, AB.,19-21 February,

Stavne, R.S., J.E. Thompson, and **A.L. Foote**. 2003. Effects of cattle grazing on wetland bird communities in the Aspen Parkland. Alberta Conservation Association, Partners in Conservation (PIC) Conference. Edmonton, Alberta. January.

Stevens, C. **A. L. Foote**, C. Paszkowski. 2003 Habitat use of the American beaver (*Castor canadensis*): implications for forest mangement. Alberta Chapter of The Wildlife Society. Red Deer, AB. 31 Feb – 1 May 03.

Maile, BA, JH Devries, MG Anderson, DW Howerter, G Holyroyd and **AL Foote**. 2001. Buffer prey response to management of dense nesting cover in Saskatchewan and Manitoba. Prairie conservation and endangered species conference. 13 February. Calgary, AB.

Rice, C. L. and **AL Foote**. 2001. Odonates (Dragonflies and Damselflies) as bioindicators of wetland habitat quality at prairie wetlands. Prairie conservation and endangered species conference. 13 February. Calgary, AB.

Stavne, R. B., J. E. Thompson, and **A. L. Foote**. 2002 The effects of cattle grazing on wetland-dependent birds in the Aspen Parkland. Society of Wetland Scientists 23<sup>rd</sup> Annual Meeting, Lake Placid, NY, USA. June 2-7,

Rice, C. and **A. L. Foote**. 2001. Dragonflies and damselflies as bioindicators of wetland habitat in prairie wetlands. Annual Wetlands Symposium of the Society of Wetland Scientists, Chicago, Ill, USA 28-31 May 2001.

Stavne, R., J. Thompson and **A. L. Foote**. 2001. The effects of cattle grazing on wetland dependent birds in the aspen parkland. Annual Research Symposium of the Institute for Wetlands and Waterfowl Research, Winnipeg, Manitoba.

Devito, K. J., E. Jasinska, I. F. Creed, S. Bayley, **L. Foote**, and B. Pollard. 2001. Landforms in the understanding of hydrology, chemistry, and nutrient status of wetland pond complexes in the WBP. Alberta Geophysical Union Annual Symposium.

K. A. Menchenton, S. E. Bayley, and **A. L. Foote**. 2000. Relationship between waterfowl and wetlands in nine nutrient-rich marshes in the western boreal forest. Quebec 2000 Millennium Wetland Event, Quebec, Canada., August 6-12

Pollard, J. B., I. F. Creed, **A. L. Foote**, G. R. Stewart, K. J. Devito, and S. E. Bayley. 2000 Ecology, hydrology and disturbance of western boreal wetlands: the development and delivery of a comprehensive research program to address current resource management issues in the boreal forest. Second North American Duck Symposium and Workshop, Saskatoon, SK. 11-15 October,

Carter, J, A. L. Foote, and L. A. Johnson 2000. The Rat That Ate The Marsh: Modeling Nutria (*Myocastor coypus*) Impacts and Marsh Loss. Species at risk. Southern Science Center, U. S. Geological Survey, Lafayette, Louisiana. February 2000.

## II. Teaching and Graduate Supervision

I continue to view teaching as a rewarding privilege and have seen my teaching change over the last 6 years. I am committed to continual improvement. I have taught six courses for the Department and Faculty and four other short courses, field schools, and training modules. I continue to provide guest lectures (average 4 per year) when requested. I also support undergraduate research by regularly supervising special problems students (6 thus far).

### A. Courses

**Table 2. Courses assigned by Departmental Chair, by year**

Course taught	1999	2000	2001	2002	2003	2004	2005	2006
FOR 430 (sessional)	X	X						
Ren R 402		X						
Ren R 600A		X	X	X	X			
Ren R 600 B		X	X	X	X			
ENCS 474			X	X	X	X	X	X
ENCS 510			X	X	X	X	X	X
ENCS 308 (Camp – Co-instruct)					X	X	X	X
Ren R 603 <sup>1</sup>						X	X	X

<sup>1</sup> Renumbered as replacement for RenR 600A

**Table 3. Additional teaching duties assumed**

Course taught	1999	2000	2001	2002	2003	2004	2005	2006
Extension Wetland Ecology & Mgmt.				22	28	19	24	21
Ren R 400/401 Special topics Students (#)		2		2	2	1		
Bio Sci 499 Undergrad Thesis Co-Supervisor				1			2	
Bio Sci 600 Advisor		1						
Instructor CCAC wildlife handling course					75	40		
NSERC Undergraduate research <sup>2</sup>								1

Course instructor Airboat Safety, WBNP					7			4
Adaptive Management training wkshp for ACA								60

<sup>2</sup> Blenis signatory for this student, Foote supervised research

**Guest Lectures**

When available, I have never refused the opportunity to provide a guest lecture when invited. I believe this is an important component of collegiality and an opportunity to extend my expertise and provide depth and diversity in the classroom experience. Multiple views are important. Conversely, I also invite 5 senior guest lecturers who are experts in their topics to address the graduate students in my Renewable Resources 603 class. For many, this is their only exposure to some of our more senior professors.

**Students Graduated & Thesis Titles**

Flynn, N. 2006. Spatial association of beaver ponds and culverts in boreal headwater streams. MSc. Thesis 108 pp.

Hornung, J. 2005. Invertebrate community structure in relation to foraging efficiency of Mallard and Bufflehead ducklings in western Canada. PhD Dissertation. University of Alberta. 79 pp.

Shifflett, S. 2005. Wetland vegetation establishment with transfers of wetland soil following surface mining. MSc. Thesis, University of Alberta.

Martell, K. 2004. Patterns of riparian disturbance in Alberta’s boreal mixed-wood forests: Beavers, roads and buffers. MSc. Thesis University of Alberta. 188 pp.

Cooper, N. 2004. Vegetation community development of reclaimed oil sands wetlands. MSc. Thesis University of Alberta 126 pp.

Walker, J. 2003. Understanding the relationships between resource enforcement and scarcity in Alberta fisheries. MSc. Thesis, University of Alberta. 91 pp.

Maile, B. 2003. Effects of planted cover management on buffer prey and their role in upland waterfowl nest success. MSc. Thesis. University of Alberta. 198 pp.



Rice, C. 2003. Odonates (dragonflies and damselflies) as biological indicators at grazed prairie wetlands. MSc. Thesis. University of Alberta. 146 pp

### **III. Service**

Balancing my university, local, regional, national and international contributions to service (listed below by category) is important to me. I embrace opportunities to represent the University of Alberta in the media and to share information on issues in my field with both academic and non-academic audiences. In 2004 I was the 16<sup>th</sup> most commonly cited University of Alberta employee in the news service industry.

#### **B. National & International Service Responsibilities**

- Director IUCN North American Sustainable Use Specialist Group. (IUCN SUSG) (2005);
- Hold Office (elected) of Secretary in Canadian Chapter Society of Wetland Scientists (2003-present);
- Board of Directors (Elected) Secretary, Council of Aquatic Sciences (2001-2003);

#### **C. Regional Professional Responsibilities**

- Board of Directors (Invited), University of Alberta Faculty of Extension *City Region Study Centre* (2006)
- Board of Directors (Elected) Alberta Conservation Association – Held office of Secretary (Elected) of ACA.
- Director, ACA Grants in Biodiversity Program- Award \$220K to graduate students annually Produce a 50-page color overview of program. Supervise one ¼ time staff (M. Foxcroft) and part time DiTRL lab technician (2003-present);
- CONRAD Reclamation Technical Advisory Group (03-05);
- Active member of Alberta Cooperative Conservation Unit (ACCRU) (2002-present);
- Adaptive Management Experiment (AME)(2001-2005);
- Boreal Ecological and Economic Synthesis Team (2001– present);
- Board of Directors & Chair Humanitarian Services, Northern Alberta Safari Club International. (2002-2003);
- Member Alberta Trumpeter Swan Recovery Committee, AB SRD. (2002-present);
- Chair of Fisheries Awards Committee (\$600K awarded annually) ACA Grant Eligible awards fund. (2003-present);
- Wildlife Committee of Cumulative Effects Management Association (CEMA) (2003-present);
- Member Oil Sands Wetland Working Group (2000-2004);

#### **D. Local Professional Activities**

- Fulton Creek Wetland advisory Committee (2000 -2003);
- Christmas Bird Count Area Leader (2001-2005);

#### **E. Media Involvement**

1. Academic advocacy: Career suicide or ethical obligation? University of Alberta Express News column (<http://www.expressnews.ualberta.ca/print.cfm?id=7210>).
2. Academic advocacy: Career Suicide or ethical obligation? University of Alberta Folio February 3, 2006 (same article as above, different outlet).
3. CBC Live Television interview on endangered species 24 April 2006.
4. CKUA Radio guest 13 March 2006. 1-hour interview on Keegan Smith Show.
5. University of Alberta (Zolta Voradi) University of Alberta Folio. Pickin' up on a passion for music (Article about Foote's music).
6. Lac Labiche Post Interview. Walleye Management. Article ran March 2006
7. Media Release –April 2006. Graduate students receive a boost in funding. Foote wrote, Alberta Conservation Association distributed.
8. U of A Gateway Interview on ACA Grants in Biodiversity (8 May 2006)
9. Interview with Bev Betkowski “Beavers and Alberta” Agriculture” for University of Alberta press release (Released 7 Sept 05).
10. Oil Week. 5 September Interview with Staff writer Deborah Jaremko “Wetlands and reclamation in Alberta's oil sands” (15 Oct 05).
11. Regina Sun Interview with Foote on hunting 7 March 05
12. Regina Leader Newspaper Interview on Conservation Hunting (18 Feb 2005)
13. CKUA – Radio & internet Innovation Alberta with Cheryl Croucher (22 June 04) Hydrology, Ecology and Disturbance Project. (Interview text and .wav files at <http://www.innovationalberta.com/search.php?keys=foote> )
14. CKUA – Radio & internet Innovation Alberta with Cheryl Croucher (13 July 04) “Riparian Disturbance” <http://www.innovationalberta.com/search.php?keys=foote>
15. CKUA – Radio & internet Innovation Alberta with Cheryl Croucher “ACA Grants in Biodiversity, Partners in Conservation” <http://www.innovationalberta.com/search.php?keys=foote>
16. CFCW Radio Edmonton and 1060 CKMX & CFRN “Lets Go Outdoors” 15-minute interview – Hunting Conservation
17. CFCW Radio Edmonton, CKMX & CFRN – 15 minute interview “Ethics of trophy hunting”.
18. CBC Radio (Edmonton) with Pam Petrin; The meaning of citizenship to University Professors. 7 July 2003.
19. CBC Television Interview with Lyle Cott – Introduction of Exotic Sp. 8 Nov 03.
20. CBC Radio (D. Bayles, The Current) Hunting: a management tool. 8 Feb 03.
21. CJCA FM Radio Media Interview Hunting ethics.
22. CBC Television Guest Commentary - Wildlife Use, April 2002.
23. CKNW Radio Vancouver (Dallas Brodie Show) Live ½ hr interview 7 Feb 02

24. CBC Television feature spot 15 Nov 01; Rationale for Wildlife Use.
25. C-TV (Ottawa, ON., Rob Sinclair Show, 17 Nov 01) Panel discussion on Consumptive Use of Wildlife
26. CBC News Radio, Sudbury, ON– Hunting as ethical behavior
27. CHQR, Calgary (Dave Taylor Show, 14 Nov 01) U of A Lab Instruction
28. CJME & CKOM Saskatchewan (Murray Wood, 15 Nov 01)  
On-air debate on Animal Rights
29. CHED, Edmonton (Murray Brinkin) Wildlife utilization
30. Lincoln Star Article (Joe Duggan, Outdoor Column 19 Nov 2001)

#### **H. Service-oriented workshops, seminars & briefings organized/presented**

- Parks and Protected Areas Research and Studies Strategy Review team 25 January 2006, Edmonton, AB.
- Participated in 1-day fact-finding workshop “Wildlife Movement Task Group (WMTG) Western Science Experts Workshop on Wildlife Movement” 13-17 March 2006.
- Volunteer participant ArcticNet Conservation Hunting Workshop 22-24 March 2006, Yellowknife, NTI.
- **Footo, AL** and A. McGregor. 2005 wrote and edited wildlife handling protocol (Foot 2005-73) A protocol for conducting nest and fledgling counts on breeding double-crested cormorants.
- Building SRD’s Scientific expertise: SRD grads at the University of Alberta. Presentation to Alberta Minister of Environment, David Coutts.
- **Footo AL** and A. McGregor. 2005 Wrote and edited wildlife handling protocol (CCAC animal use protocol # Foot-2005-74) for conducting standard gill netting activities to monitor species abundances and investigate seasonal diet preferences and to sein, mark, and transfer fish to create a catchability curve that is central component of a larger aquatic ecosystem restoration program.
- Wildlife Movement Experts Workshop. 14 March 2006, Edmonton AB
- Wrote successful 2004 grant for \$30,000, organized, and co-chaired an International Conference on Chronic Wasting Disease (350 attendees)
- Conceived, & wrote the grant, organized and taught a 2004 module of a 2-day Animal Care, Wildlife capture & handling workshop & re-certification of veterinarians. (75 Participants)
- Preparation and briefings to Ministers of Alberta Sustainable Resource Development (Mike Cardinal 2004; Dave Coutts 2005).
- Presenter (with J. Hornung) at workshop to 6 AB SRD staff biologists at Water Division on NSERC Project in Utikuma.
- Presenter Waterfowl identification lecture and workshop. Alberta Student Chapter of The Wildlife Society 15 September, Edmonton, AB
- Presenter (with C. L. Rice) Ducks Unlimited Pacific Flyway Division Information transfer symposium (03).
- Presenter (with J. Walker) present project update to AB SRD Director & 7 other administrators, Edmonton Offices.
- Panelist/presenter for U of Alberta Library Staff training Seminar (30 April 02)

- Participant at Palisades Centre, Jasper, AB symposium on “Gateway Communities” with University of Montana.
- Foote performed in U. of Alberta’s International Week Musical Headline act

### **I. Awards**

- Wetland creation research program at EPCOR Power Genessee Mine nominated for 2006 Emerald Award.
- AFHE Teacher of the Year 2003 from Renewable Resources
- AFHE Teacher of the Year 2004 from Renewable Resources
- AFHE Teacher of the Year 2005 from Renewable Resources