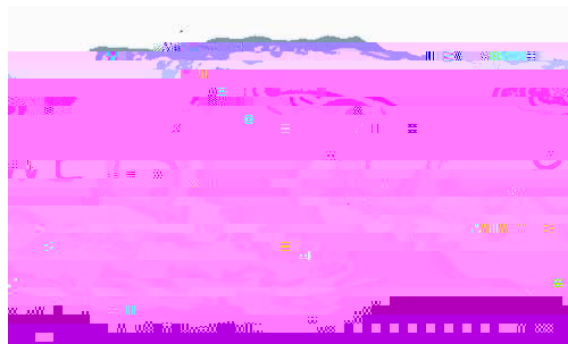


**ANNUAL REPORT of the
CENTRE FOR WILDLIFE ECOLOGY
2007-2008**



**Department of Biological Sciences
Simon Fraser University**

<http://www.sfu.ca/biology/wildberg/index.html>

Dr. Ron Ydenberg, Director

I. HISTORY

III. PERSONNEL

A. Research Team

Academy of Environmental and Earth Sciences

<i>Name</i>	<i>Position</i>
Ron Ydenberg	Director, Professor
Tony Williams	Professor
David Green	Associate Director, Assistant Professor
Dov Lank	University Research Associate / Adjunct Professor
Dan Esler	University Research Associate / Adjunct Professor
Mark Hipfner	University Research Associate / CWS Biologist
Doug Bertram	CWS Biologist / Adjunct Professor

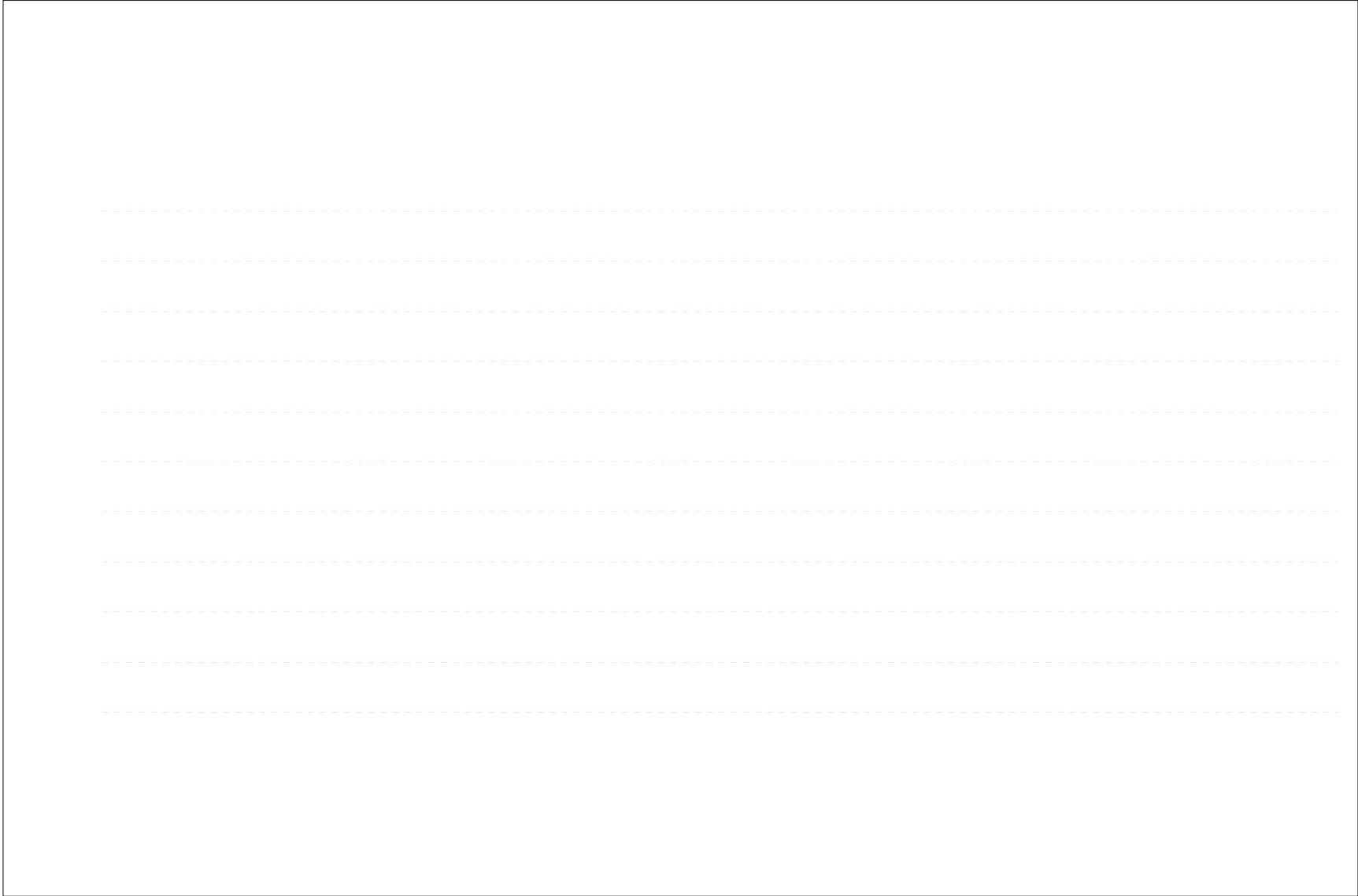
B. Steering Committee

<i>N^ome</i>	<i>Position</i>	<i>Association</i>
Elizabeth Elle	Assistant Professor	↙ ↘
Arne Mooers	Assistant Professor	↙ ↘
Robert Elner	Head, Migratory Birds Conservation	C ↙ ↘
David Green	CWE faculty (non-voting)	↙ ↘
Kristina Rothley (SFU alternate)	Assistant Professor	↙ ↘
Paul Kluckner	Regional Director, ECB PYR	C ↙ ↘
Barry Smith	Research Scientist	C ↙ ↘
Tony Williams	CWE faculty (non-voting)	↙ ↘
Ron Ydenberg	CWE Director (non-voting)	↙ ↘

collaborator and national lead on research efforts by the Canadian Wildlife Service to evaluate effects of offshore wind turbine arrays on wintering and migrating sea ducks. To date, the only offshore wind farm proposed for Canada is in Hecate Strait near Haida Gwaii (Queen Charlotte Islands). We have laid the groundwork for participating in research in the region bht8

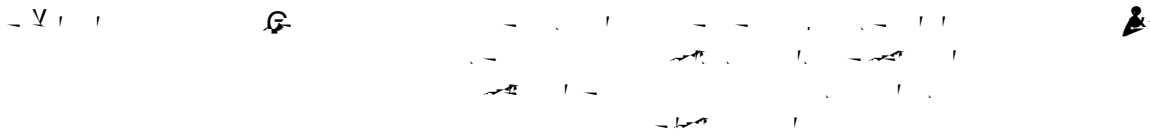
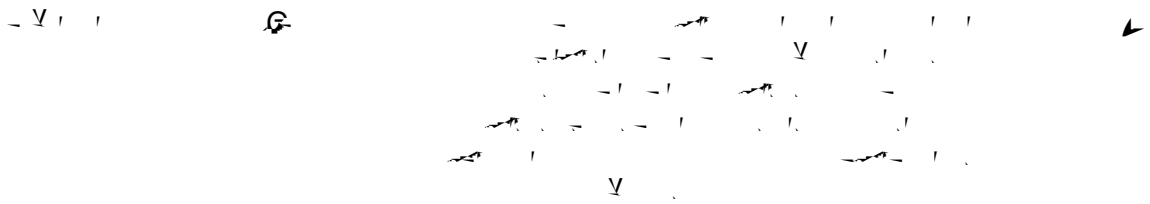
migratory birds, in a wide variety of on-going collaborative studies: a) habitat use in pre-migratory staging areas for shorebirds in Alaska in relation to oil and gas development (with Audrey Taylor and Drs. Abby Powell and Rick Lanctot, University of Alaska Fairbanks); b) altitudinal habitat use in migratory passerines in the Lower Mainland (with Drs. Lesley Evans-Ogden, NSERC PDF at UBC and Kathy Martin); c) plasma metabolites in relation to incubation intensity and habitat use in different populations of king eiders (with Rebecca McGuire and Dr. Abby Powell, University of Alaska, Fairbanks); d) yo

We have studied dippers in the Chilliwack River Valley, BC since 1999. The majority of dippers, in this and other populations, make seasonal movements between low elevation wintering grounds on large rivers and breeding grounds on higher elevation tributaries. However some individuals do not undergo this seasonal migration and remain on permanent territories year round. We have used morphometric data, mark-recapture analysis and radiotelemetry to investigate whether migratory/sedentary behaviour is associated with distinct morphological and physiological traits, and to examine how variation in migratory behaviour influences natal philopatry, recruitment, survival and reproductive success of American dippers. Migratory and sedentary dippers do not differ morphologically (Green et al. in press). However, sedentary individuals consistently have higher reproductive success and lower survival than migrants (Gillis et al. 2008). Ivy Whitehorne (MSc) has demonstrated that differences in reproductive success do not arise because of differences in the age structure of the sedentary and migratory population. She has also found that the higher survival of migrants does not result because they expend less effort and are in better condition at t

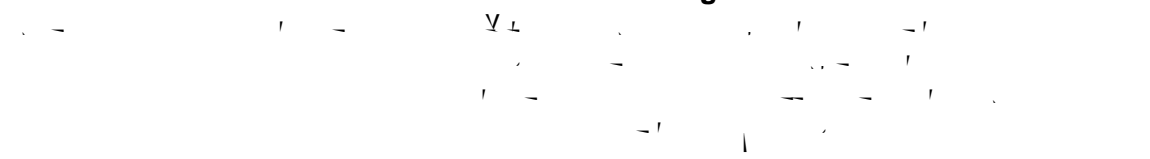


The image shows a very faint and illegible table or chart. It appears to have several rows and columns. There are some faint symbols scattered throughout, including ampersands (&) and the letter 'G'. The overall content is too light to read accurately.

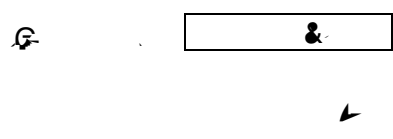
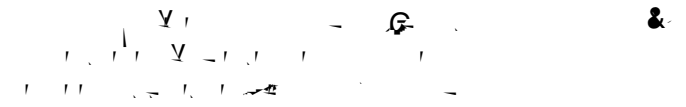
Generated Research Funding



Triangle Island



NSERC



VIII. PUBLICATIONS

This list reflects those publications produced since our last report (publications that were “in press” or “submitted” for the last report are included and have been updated). We continue to publish very actively with 17 publications out in 2008, 24 publications in press and 16 submitted.

theory. 30: 488-505. Waterbirds 30: 488-505.
Rodway, M.S. 2007. Timing of pairing in waterfowl I

D. Theses

Lok, E.K. 2008. Site use and migration of scoters (*Meleagris* spp-