

Chickadee is an uncommon breeding species in the region but usually occurs at higher altitudes.

Prior to 2008, we had banded only two Chestnut-backed Chickadees—one in 1998 and one in 2004; in 2008, we banded four of them. Other species that broke the site's record for the number banded in one season include Western Wood-Pewee (16), Red-breasted Nuthatch (32), Hermit Thrush (25), and Yellow Warbler (166).

Many of the sparrow species were captured in lower-than-normal numbers, two of them setting all time lows with only a single American Tree Sparrow banded and 36 Dark-eyed Juncos banded, compared to a previous low of 79 back in 2001. Some of this may have been due to a late migration for several species, as birds were still moving through when we closed.

American Redstarts (347) were the number one species banded in 2008, followed closely by Ruby-crowned Kinglet (327). Other species with over 100 individuals banded were Northern Waterthrush (179), Yellow Warbler (166), Orange-crowned Warbler (139), Common Yellowthroat (119), Yellow-rumped Warbler (113), and Golden-crowned Kinglet (113).

Mugaha Marsh is in the overlap zone for eastern and western species. Both Myrtle and Audubon warblers are captured, and many were listed as unidentified because they show features of both. We capture both Red-shafted and Yellow-shafted flickers as well as Flicker Intergrades. This year we caught more hybrid sapsuckers (Red-breasted x Yellow-bellied) and hybrid chickadees (Black-capped x Mountain). Both Cassin's and Blue-headed vireos were banded **and one was banded as a Solitary Vireo.**

In 2008, there were 57 returns of 18 different species captured. One of the older ones was a Swainson's Thrush that had been banded in 2001 as an after-hatching-year bird.

In 2008, MNO received news about two recoveries of birds that were banded at Mugaha: an Audubon's Warbler banded 29 Aug 2006 was recovered in California (**lat. 394, long. 1220**) on 3 Jan 2007, and a Lincoln's Sparrow banded 23 Jul 2006 was recovered in Calgary, AB, on 21 Sep 2006.

A Northern Waterthrush that Vi Lambie banded near Mugaha on 6 Jun 2007 was recovered in Miami, FL, on 6 Apr 2008.

Banders: In 2008, five banders were hired to cover different parts of the season: Jukka Jantunen, Stefan Jungkind, Kenneth Burton, James Bradley, and Julian Hudson. Two other banders, Jillian Johnston and Vi Lambie, volunteered at the station. In addition, many wonderful people came out and volunteered their time. Thanks to them all.

Mackenzie Nature Observatory is a member of the Canadian Migration Monitoring Network (CMMN) plus we work closely with the Canadian Wildlife Service in Delta, BC. More information about CMMN is available at <http://www.bsc-oc.org/volunteer/cmmn> where you can access and download a report that includes an analysis of species' trends at Mugaha Marsh. To see other MNO results, click on "species trends." For additional information on MNO, visit our website: www.mackenzienatureobservatory.ca

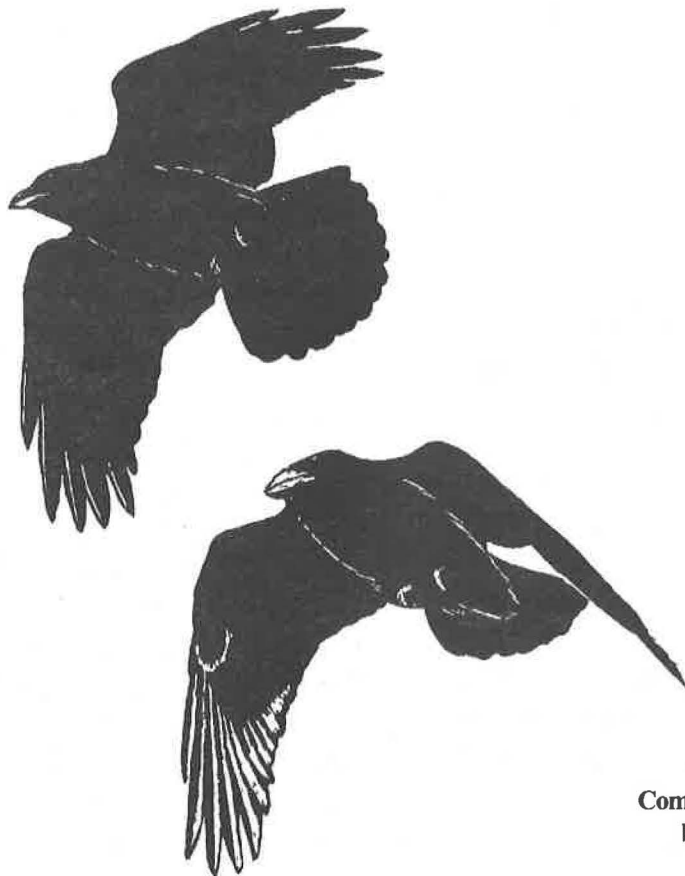
We welcome the following new members who joined during the past year:

Lindsay Addison, Naples FL;
Olin Allen, Laporte CO;
Amy Amones, Arcata CA;
Neil Baldock, Bellevue WA;
Adam Beeler, Columbus OH;
Kelly B. Bryan, Fort Davis TX;
Katie Calon, Edmonton AB;
Bibliothèque d'Environnement Canada,
Québec QC;
Robert J. Clemans, Golden CO;
Adam Elzinga, Portland OR;
Patricia K. Evans, Quincy CA;

Raymond N. Evans, Quincy CA;
Stuart Farber, Redding CA;
Isabel Varela Garrido, La Rioja, Spain;
Raylene Gordin, Lebanon OR (Life Member);
Quentin Hays, Capitan NM;
Leslie Henry, Cody WY;
Judit Mateos Herrero, Barcelona, Spain;
Al Hinde, Cambridge MA;
Robert Ingram, Yuba City CA;
Nicole Kehl, Chicago IL;
Gary Kinsley, San Gabriel CA;
Sarah Lemelin, South Dartmouth MA;
Adrienne Levoy, Palo Alto CA;
Bill Mattox, Boise ID;
Joseph Michael, Thousand Oaks CA;
Sherri L Miller, Arcata CA;

Jeff Moker, Red Deer AB;
Laurie Neville, Eureka CA;
Cathy Nowak, Union OR;
Laura Cardenas Ortiz, Colombia;
Miguel Moreno Palacios, Ibaque, Colombia;
Belen Garcia Perez, Madrid, Spain;
Kim Potter, Rifle CO (Life Member);
Joanne M. Roberts, Hereford AZ;
Amelie Rousseau, Victoria BC;
Ramona Schriber, Fairbanks AK;
Anne Seiler, Carmichael CA;
Ayden Sherritt, Castor Centre ON;
Daniel A. Stephens, Wenatchee WA (Life Member);
Ben Vang-Johnson, Seattle WA; and
Shannon Wadham, McKinleyville CA.

We also give a special thanks to our Sustaining members for their additional support:
Phyllis J. Barents, Howard Browers, Tricia Campbell, Rita R. Colwell, Robert Douglas, Raymond N. Evans, Robert Frey, Tom & Jo Heindel, Al Hinde, Robert Ingram, Joe Kahl, Rosalie Lefkowitz, Sherri L Miller, Kristine McBride, Joanne M. Roberts, Walter H. Sakai, Gary Santolo, and Dan Sherman.



Common Raven
by George West