



CHRISTOPHER McCREEDY

PRBO CONSERVATION SCIENCE

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EDUCATION

BS, University of Michigan, School of Natural Resources & Environment, Ann Arbor MI. 1998.

POSITIONS HELD and APPOINTMENTS

- 2006 – present. Desert Program Director, Point Reyes Bird Observatory (PRBO).
- 2002 – 2005. PRBO Terrestrial Program lead desert biologist.
- 2006 – present. PRBO representative to Arizona Coordinated Bird Monitoring Committee.
- 2003 – present. PRBO representative to Sonoran Joint Venture Technical Committee.
- 2003 – present. PRBO representative to Sierra Nevada Willow Flycatcher Working Group.
- 2004 - 2005. Research Assistant, PRBO Adélie Penguin Project, Ross Island, Antarctica.
- 1999 – 2002. Intern, PRBO Terrestrial Program.
- 2002. Intern, PRBO GIS Lab and Population Ecology Program.
- 1998. Intern, American Museum of Natural History Southwest Research Station, AZ.
- 1998. Research Assistant, University of New Mexico Bell's Vireo Project, Southwest NM.

CURRENT AND RECENT PROJECTS

2003-present: (PI) Xeric Thorn Woodlands Songbird Project. Principal investigator of project examining potential off-highway vehicle impacts on breeding and migrant birds found in the Sonoran Desert thorn woodlands of the Lower Colorado River Valley (CA and AZ). Identified funding sources and wrote grant proposals (\$485,400 awarded to date) to the California Off-Highway Motor Vehicle Recreation Commission, Arizona Bird Conservation Initiative, National Fish and Wildlife Foundation, and California BLM.

2003-present: (PI) Mono Basin Willow Flycatcher Project. Principal investigator of long-term demographic study of emergent and sympatric populations of Willow and Dusky Flycatchers in recently restored riparian habitats of the Mono Lake Basin, Mono County, CA. Identified funding sources and wrote grant proposals (\$72,750 awarded to date) to the United States Forest Service, the National Fish and Wildlife Foundation, California Audubon, the Mono Basin Birding Chautauqua, and Grand Foundation.

2005-present: (PI) Amargosa Canyon Songbird Project. Principal investigator of long-term project examining the impacts of tamarisk removal and brown-headed cowbird trapping on Mojave Desert riparian habitats and songbirds on the Amargosa River, Inyo County, CA. Identified funding sources and wrote grant proposals (\$184,400 awarded to date) to the California Bureau of Land Management and United States Fish and Wildlife Service.

2003-present: (Lead author). California Partners In Flight (CalPIF) Desert Bird Conservation Plan. Eighth of a series of CalPIF habitat-based bird conservation plans, covering the Mojave Desert and Lower Colorado River Valley Section of the Sonoran Desert. Expanded into a regional plan that addresses relevant habitats also found in southern Nevada, western Arizona, and northwestern Mexico. Funded by the National Fish and Wildlife Foundation, the DMARLOU Foundation, the Sonoran Joint Venture, and the Packard Foundation. I contributed to these grant proposals and am a collaborator on this project.

2003-present (Research Assistant for PRBO Conservation Science). Owens Lake Snowy Plover Project. Long-term censuses of Snowy Plover response to habitat degradation and restoration at Dry Owens Lake, Inyo County, CA.

2004-2005: (Research Assistant for PRBO Conservation Science). Geographic structure of Adélie Penguin populations: demography of population expansion. Funded by National Science Foundation.

GRANTS RECEIVED (\$754,250, 2003-2008)

I am the principal investigator on the following projects, and I have indicated principal collaborators where applicable.

Xeric Thorn Woodlands Songbird Project (\$485,400 to date)

2008

Arizona Bird Conservation Initiative. Awarded August 2007. Total \$21,000.

California Off-Highway Motor Vehicle Commission. Awarded December 2007. Total \$55,000

In collaboration with Dr. Jim Weigand, California BLM State Office

BLM Challenge Cost-Share. Awarded December 2007. Total \$16,000

In collaboration with Mark Massar, CA BLM Palm Springs Field Office

2007

Arizona Bird Conservation Initiative. Awarded July 2006. Total: \$25,000.

California Off-Highway Motor Vehicle Commission. Awarded December 2006. Total: \$62,000.

In collaboration with Dr. Jim Weigand, California BLM State Office.

California BLM Challenge Cost-Share. Awarded November 2006. Total: \$20,000.

In collaboration with Daniel Steward, CA BLM El Centro Field Office.

2006

California Off-Highway Motor Vehicle Commission. Awarded December 2005. Total: \$55,000.

In collaboration with Dr. Jim Weigand, California BLM State Office.

2005

California Off-Highway Motor Vehicle Commission. Awarded December 2004. Total: \$60,000.

In collaboration with Dr. Jim Weigand, California BLM State Office.

Arizona BLM Challenge Cost-Share. Awarded February 2005. Total: \$10,000.

In collaboration with Christine Bates, Arizona BLM Lake Havasu City Field Office.

2004

California Off-Highway Motor Vehicle Commission. Awarded December 2003. Total: \$60,000.

In collaboration with Dr. Jim Weigand, California BLM State Office.

2003

California Off-Highway Motor Vehicle Commission. Awarded December 2002. Total: \$13,400.

In collaboration with Dr. Jim Weigand, California BLM State Office.

Amargosa Canyon Songbird Project (\$184,400 to date)

2008

California BLM Challenge Cost Share. Awarded March 2008. Total: \$50,000
In collaboration with Russell Scofield, California BLM Desert District Office

2007

California BLM Challenge Cost Share. Awarded November 2006. Total: \$30,000.
In collaboration with Russell Scofield, California BLM Desert District Office.
United States Fish and Wildlife Service. Awarded October 2006. Total: \$25,000.
In collaboration with Brian Croft, Ventura Regional Office.

2006

California BLM Challenge Cost Share. Awarded November 2005. Total: \$30,000.
In collaboration with Russell Scofield, California BLM Desert District Office.

2005

California BLM Challenge Cost Share. Awarded September 2004. Total: \$19,400.
In collaboration with Russell Scofield, California BLM Desert District Office.

Mono Basin Willow Flycatcher Project (\$72,750 to date)

2008

USFS Challenge Cost-Share. Awarded March 2008. Total \$10,000.
In collaboration with Inyo National Forest.

2007

USFS Challenge Cost-Share. Awarded January 2007. Total: \$10,000.
In collaboration with Inyo National Forest.

Audubon California Collaborative Funding Grant. Awarded December 2006. Total: \$2,500.

2006

Grand Foundation. Awarded May 2006. Total: \$5,000.
In collaboration with Mono Lake Committee

USFS Challenge Cost-Share. Awarded April 2006. Total: \$2,500.
In collaboration with Inyo National Forest.

Mono Basin Birding Chautauqua Research Grant. Awarded October 2005. Total: \$1,500.

Eastern Sierra Audubon Society. Awarded February 2006. Total: \$250

2005

USFS Challenge Cost-Share. Awarded January 2005. Total: \$20,000.
In collaboration with Inyo National Forest.

University of Nevada-Reno nesting micro-climate collaboration. Total: \$2,000.

2004

USFS Challenge Cost-Share. Awarded March 2004. Total: \$5,000.
In collaboration with Inyo National Forest.

Mono Basin Birding Chautauqua Research Grant. Awarded October 2003. Total: \$1,500.

2003

USFS Region V Partners In Flight Competitive Grant. Awarded December 2002. Total: \$10,000.

University of Nevada-Reno activity budgets collaboration. Awarded May 2003. Total: \$2,500.

California Partners In Flight Desert Bird Conservation Plan (\$11,700 to date)

2006

Sonoran Joint Venture Competitive Grant for regional focal species maps. Awarded September 2005.
Total \$6,700.

2004

Sonoran Joint Venture Competitive Grant. Awarded June 2003. Total: \$5,000.

PEER-REVIEWED PUBLICATIONS

McCreedy, C., W. Richardson, and M. Pereyra. Incidence of double-brooding in Dusky Flycatchers. *In prep for Auk.*

McCreedy, C., and S.K. Heath. 2004. Atypical Willow Flycatcher nesting sites in a recovering riparian corridor at Mono Lake, California. *Western Birds* 35:197-209.

Heath, S.K., **C. McCreedy,** and T. Adams. 2006. Breeding Bird Census 2002: Irrigated mixed willow riparian. *Bird Populations* 7:114-127.

Heath, S.K., **C. McCreedy,** and Q.S. Latif. 2006. Breeding Bird Census 2002: Recovering mixed willow-black cottonwood riparian II. *Bird Populations* 7:114-127.

Heath, S.K., **C. McCreedy,** and Q.S. Latif. 2006. Breeding Bird Census 2001: Recovering mixed willow-black cottonwood riparian I. *Bird Populations* 7:96-113.

Heath, S.K., **C. McCreedy,** and Q.S. Latif. 2006. Breeding Bird Census 2001: Remnant black cottonwood riparian forest. *Bird Populations* 7:96-113.

TECHNICAL REPORTS

McCreedy, C. 2006. Xeric Thorn Woodland Songbird Project: 2005 Progress Report. Patterns of bird composition, richness, abundance, and nest survivorship. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1534.

McCreedy, C. 2006. Mono Basin Willow Flycatcher Project: 2006 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1512.

McCreedy, C. 2005. Mono Basin Willow Flycatcher Project: 2005 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1298.

McCreedy, C. 2005. Mono Basin Willow Flycatcher Project: 2004 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1247.

McCreedy, C. 2005. Mono Basin Willow Flycatcher Project: 2003-2004 Habitat Characteristics Summary. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 831.

McCreedy, C. 2005. 2004 Mojave Desert spring bird surveys at Indian Joe Spring and Piute Spring. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1249.

McCreedy, C. 2004. Mono Basin Willow Flycatcher Project: 2003 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1184.

McCreedy, C. 2004. Xeric Riparian Songbird Conservation: 2003 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1180.

McCreedy, C. 2003. Willow Flycatcher Activity Budgets on Rush Creek, Mono County, CA. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1155.

McCreedy, C., C. Howell, and L.A. Culp. 2005. Xeric Riparian Songbird Project: 2004 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1309.

Heath, S.K., and **C. McCreedy**. 2006. Vegetation features that support riparian breeding birds with comments on specific channel openings on Rush Creek. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954.

Heath, S.K., and **C. McCreedy**. 2006. Habitat restoration and management recommendations for riparian breeding birds at Mono Lake, California. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1338.

Heath, S.K., **C. McCreedy**, and G. Ballard. 2002. Eastern Sierra Riparian Songbird Conservation: 2001 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1010.

Heath, S.K., **C. McCreedy**, H.R. Gates, and Q.S. Latif. 2002. Eastern Sierra Riparian Songbird Conservation: 2002 Progress Report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1066.

Heath, S.K., G. Ballard, and **C. McCreedy**. 2001. 1998-2000 final report and Mono Basin 2000 progress report. PRBO Conservation Science, 3820 Cypress Drive, Petaluma, CA, 94954. PRBO Contribution 1002.

PRESENTATIONS

McCreedy, C. January 2007. Willow Flycatcher reoccupation at Mono Lake, California. Eastern Sierra Audubon Society, Bishop CA.

McCreedy, C., J. Weigand, and D. Stewart. January 2007. Monitoring potential off-highway vehicle impacts on Sonoran Desert wash-woodland communities. Lower Colorado River Terrestrial and Riparian (CRiTer) Biology Meeting, Laughlin, NV. *Presented by Christine Bates, Arizona BLM.*

McCreedy, C., J. Weigand, and D. Stewart. November 2006. Monitoring potential off-highway vehicle impacts on Sonoran Desert wash-woodland communities. Sonoran Joint Venture Management Board Meeting, El Centro, CA. *Presented by Geoff Geupel, PRBO Conservation Science.*

McCreedy, C., J. Weigand, and D. Stewart. August 2006. Monitoring potential off-highway vehicle impacts on Sonoran Desert wash-woodland communities. California Partners In Flight Annual Meeting, Bishop, CA.

McCreedy, C. August 2006. California Partners In Flight Desert Bird Conservation Plan. California Partners In Flight Annual Meeting, Bishop, CA.

McCreedy, C. March 2006. Partners In Flight Desert Plan regional focal species maps. Arizona Coordinated Bird Monitoring Committee, Phoenix, AZ.

McCreedy, C., S.K. Heath, and G. Ballard. August 2005. Willow Flycatcher reoccupation of an unexpected riparian habitat type at Mono Lake, CA. Annual Meeting of the American Ornithologists' Union, Santa Barbara, CA.

McCreedy, C. July 2005. Summertime and Adélie Penguins at Ross Island, Antarctica. Refreshments with Refreshing Biologists Lecture Series, Lee Vining, CA.

McCreedy, C., S.K. Heath. June 2005. Willow Flycatcher reoccupation of an unexpected riparian habitat type at Mono Lake, CA. Mono Basin Birding Chautauqua, Lee Vining, CA.

McCreedy, C., S.K. Heath. June 2004. Willow Flycatcher reoccupation of an unexpected riparian habitat type at Mono Lake, CA. Mono Basin Birding Chautauqua, Lee Vining, CA.

McCreedy, C. February 2003. California Partners In Flight Desert Bird Conservation Plan. Arid Southwest Lands Habitat Restoration Conference, Palm Springs, CA.

McCreedy, C. February 2003. California Partners In Flight Desert Bird Conservation Plan. The Wildlife Society Annual Meeting, Irving, CA.

McCreedy, C., and S.K. Heath. February 2003. Atypical Willow Flycatcher nesting sites in a recovering riparian corridor at Mono Lake, CA. The Wildlife Society Annual Meeting, Irving, CA.

Heath, S.K., G. Ballard, and **C. McCreedy.** March 2002. How viable are Yellow Warbler populations in eastern California and what habitat features affect their nesting success? Third International Partners In Flight Conference, Asilomar, CA. *Poster.*

OUTREACH and SERVICES

2003 – present. Mono Basin Birding Chautauqua: Bird walks and field workshops.

2002 – present. Audubon: Mono Lake Christmas Bird Count organizer and compiler.

2005. United States Geologic Survey: North American-wide plumage analysis of Willow Flycatcher subspecies.

2003 – 2005. University of Nevada-Reno: Willow Flycatcher activity budgets and nest-site microclimates.

2002 – 2003. Pronatura Sonora and University of Arizona: Constant-effort passerine mist-netting training, Colorado Delta, Sonora.

SKILLS

Field biologist: Continuous seasons in New Mexico, Arizona, Nevada, California, and Antarctica since 1998.

Training: Supervised and trained approximately 50 volunteers, interns, and seasonal staff on nest searching and monitoring, spot-mapping, playback surveys, mist-netting and banding, nestling banding, and point count surveys since 2001.

Nest searching and monitoring: found and monitored approximately 3500 nests (not counting penguins) for approximately 140 bird species since 1998.

Banding: Constant-effort mist-netting, extracting, and processing since 1999, color-banding and nestling banding since 2003, target netting since 2003.

Point counting: Montane, Great Basin, Mojave, and Sonoran Desert habits since 1999 using fixed-radius and variable circular plot protocols with rangefinders used for distance measurements.

GIS: Proficient in ArcGIS 9.2 and ArcView 3.2.

Database administration: dBase, FoxPro, and Excel since 1999.

Programming languages: Fox code since 2005.

Statistical packages: STATA since 2003.