



# Western Bat Working Group

## 2005 Conference Schedule

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*Hilton Portland and Executive Tower, Portland, Oregon*  
**March 30 - April 2, 2005**

### Final Program

#### *Wednesday March 30, 2005*

- 2:00 P. M. to 5:00 P. M.** California Bat Working Group Meeting - Broadway III  
**6:30 P.M. to 9:00 P.M.** Welcome Reception with Hors d' Oeuvres and No-Host Bar - **Pavillion Ballroom West**

#### *Thursday March 31, 2005*

- 7:30 A. M. to 8:00 A. M.** Continental Breakfast – **Plaza Foyer East 7:30 a.m.**  
**8:00 A.M. to 8:25 A.M.** Welcome and Announcements - Pat Ormsbee and Lyle Lewis  
**8:25 A.M. to 10:05 A.M.** **Session on Habitat Use** - Moderator: Burr Betts Eastern Oregon University, La Grande OR  
**8:25 A.M.** **Foraging and roosting sites for male spotted bats (*Euderma maculatum*), northern Arizona** - Carol L. Chambers\*, Michael J. Herder, Mikele L. Painter, and David G. Mikesic, Northern Arizona University, Flagstaff, AZ, (CLC); Bureau of Land Management, St. George, UT (MJH); Kaibab National Forest, Fredonia, AZ (MLP); Navajo Nation Department of Fish and Wildlife, Window Rock, AZ (DGM)  
**8:45 A.M.** **Ecology of Pallid Bats in British Columbia , Canada** - Daniela A. Rambaldini, University of Regina , Regina SK  
**9:05 A.M.** **Foraging habitat and the large home range of Allen's big-eared bat (*Idionycteris phyllotis*) in the Arizona Desert as determined by radio-telemetry** - Patricia E. Brown\* and Robert D. Berry, UCLA, Los Angeles , CA , Brown-Berry Biological Consulting, Bishop, CA  
**9:25 A.M.** **There is no silver bullet: the importance of morphologic, acoustic, and genetic data to decipher *Myotis* species in the Pacific Northwest .** Patricia C. Ormsbee\*, Willamette N. F., US Forest Service, Eugene, OR  
**9:45 A.M.** **Differences in roost selection and behavior among *Myotis evotis*, *M. volans*, and *M. thysanodes* in pinyon-juniper woodland and ponderosa pine forests of New Mexico** - Alice L. Chung-MacCoubrey\*, WBWG Secretary, Rocky Mountain Research Station, USDA Forest Service, Albuquerque , NM  
**10:05 A.M. to 10:30 A.M.** Break (with Coffee)  
**10:30 A.M. to 11:50 A.M.** **Session on Management and Mitigation** - Moderator: Brad Phillips WBWG Treasurer, Black Hills National Forest , Custer S.D.  
**10:30 A.M.** **Water for Wildlife: a Collaborative Effort to Improve Access and Reduce Drowning for Bats and other Wildlife at Water Developments on Western Rangelands** - Daniel A. R. Taylor\*, Miriam L. Austin, and Stu Tuttle, Bat

Conservation International, Austin, TX (DART); Red Willow Research Inc., Twin Falls, ID(MLA); and Flagstaff Field Office, USDA-NRCS, Flagstaff, AZ(ST).

- 10:50 A.M.** **Mitigation Strategies for Bats in Bridges: Lessons Learned and Where do we go from here** - Dave Johnston\*, Greg Tatarian, and Dixie Pierson, H. T. Harvey and Associates, San Jose CA (DJ); Wildlife Research Associates, Santa Rosa , CA (GT); and Consultant, Berkeley , CA (DP)
- 11:10 A.M.** **Gating a Cave Protects a Bat Roost...Eventually** - Debbie C. Buecher\* and Andrea K. Goodbar, University of Arizona , Tucson AZ (DCB, Bureau of Land Management, Carlsbad , NM (AKG)
- 11:30 A.M.** **A Successful Pallid Bat Mitigation Project on the Hanford Site in Richland , Washington** - Kenneth A. Gano\*, Bechtel Hanford Inc., Richland , Washington
- 11:50 A.M. to 1:30 P.M.** Lunch (on-your-own)
- 1:30 P.M. to 2:30 P.M.** **Drafting and Implementing State Conservation Plans: Opportunities and Lessons Learned** - Moderator: Lyle Lewis WBWG President, USFWS, Albuquerque , N.M.
- 1:30 P.M.** **Arizona** : Angie McIntire Arizona Game and Fish Department, Phoenix , AZ
- 1:40 P.M.** **Colorado** : Toni Piaggio WBWG Vice-President, Univ. of Colorado, Boulder CO
- 1:50 P.M.** **Nevada** : Jason Williams Nevada Department of Wildlife, Ely , NV
- 2:00 P.M.** **Group Discussion**
- 2:30 P.M. – 4:00 P.M.** **Research Techniques Symposium** (with refreshments) – Plaza Foyer East  
Convened by: Melissa Siders Grand Staircase-Escalante National, Kanab , UT
- 1. How Much is Enough?** - J. Mark Perkins\* and Joshua R. Peterson, PPNW Bat Research Team, Portland , OR
  - 2. A field recording technique to passively collect and time tag echolocation calls from free flying bats using a time expansion bat detector and a Digital 8 video camcorder** - Robert D. Berry\* and Joe M. Szewczak. Brown-Berry Biological Consulting Bishop, CA (RDB), Humboldt State University , Arcata , CA (JMS)
  - 3. Recent Advances in Use of Anabat as a Survey Tool** - Chris Corben\* and W. E. Rainey
  - 4. Which colour of light should you use to monitor insect abundance?** - Douglas W. Burles\* and Richard A. Ring, Gwaii Haanas National Park Reserve and Haida Heritage Site, Sandspit, B.C. (DWB), Victoria B.C. (RAR)
  - 5. A Free-Floating Mist Net System for Capturing Bats** - Michael J. Herder, Arizona Strip Field Office, Bureau of Land Management, St. George , UT
  - 6. Guano collection techniques and analysis for conducting bridge surveys** - Patricia C. Ormsbee\*, Aimee Hart\*, Lee Templeman, and Jan Zinck; Willamette N. F., USDA Forest Service, Eugene , OR (PCO, AH, LT), Portland State University , Portland , OR . (JZ)
  - 7. Capture techniques for bats night roosting under bridges using modified hand nets** - Patricia C. Ormsbee\*, Elizabeth D. Pierson\*, and David L. Waldien, Willamette N. F., USDA Forest Service, Eugene, OR (PCO), Berkeley, CA (EDP), Bat Conservation International, Austin, TX (DLW)
  - 8. Bats and Mines: External survey techniques to assess bat use of mines** - Patricia E. Brown\* and Robert D. Berry, UCLA, Los Angeles, CA, Brown-Berry Biological Consulting, Bishop, CA
- 4:00 P.M. to 5:00 P.M.** **Session on Research and Inventory Techniques** - Moderator: Toni Piaggio WBWG Vice-President, Univ. of Colorado ,
- 4:00 P.M.** **Using Long-term Passive Acoustic Monitoring Stations to Study Bats in Nevada** - Jason A. Williams\* and Michael J. O'Farrell, Nevada Department of Wildlife, Ely, NV (JAW), and O'Farrell Biological Consulting, Las Vegas, NV (MJO)
- 4:20 P.M.** **Conducting Bat Inventories in the Sierra Nevada: Examples from Sequoia-**

- Kings Canyon National Parks and Devil's Postpile National Monument - Elizabeth D. Pierson\* and William E. Rainey, University of California , Berkeley , CA .**
- 4:40 P.M. Evolutionary Relationships among North American *Myotis* Species and Evidence of Cryptic Variation - Tanya Dewey\*, University of Michigan Museum of Zoology , Ann Arbor , MI**
- 8:00 P.M. Bat Films -- Pavillion Ballroom**

*Friday April 1, 2005*

- 7:30 A.M. Continental Breakfast – Plaza Foyer East**
- 8:00 A.M. to 9:40 A.M. Session on Assessing Status of Bats - Moderator: Betsy Bolster California Department of Fish and Game, Sacramento , CA**
- 8:00 A.M. The Status of Allen’s Big-eared Bats in New Mexico - Lyle Lewis\*, U. S. Fish and Wildlife Service, Albuquerque New Mexico**
- 8:20 A.M. Slocan Valley Bat Project: A Community Approach to Bat Inventory and Conservation - Juliet Craig\*, Mike Sarell, Silverwing Ecological Consulting, Nelson, BC (JC), Ophiuchus Consulting, Oliver , BC (MS)**
- 8:40 A.M. How Do They Do It? Revisiting the Constraints of Over-wintering by Nectar-feeding Bats in Arizona - Ronnie Sidner\*, Ecological Consulting and University of Arizona , Tucson , AZ**
- 9:00 A.M. Novel Techniques to Improve Long-term Acoustic Monitoring of Bats on the Nevada TestSite, South-central Nevada - Derek B. Hall\*, Michael J. O’Farrell, Robert G. Peppard, Bechtel Nevada , Las Vegas , NV (DBH and PGP), O’Farrell Biological Consulting, Las Vegas, NV (MJO)**
- 9:20 A.M. Winter bat activity in the Alberta prairies - Cori Lausen\*, University of Calgary , Calgary , Alberta , Canada**
- 9:40A.M. to 11:00 A.M. Poster Session II (with Coffee) – Plaza Foyer East**
- 1. The Effect of Fuels-Reduction Silvicultural Treatments on Bat Activity: Results from 2004 - Burr J. Betts, Eastern Oregon University , La Grande , OR**
  - 2. Technique for Nocturnal Airborne Tracking of Foraging Bats - Robert D. Berry, Brown-Berry Biological Consulting, Bishop, CA**
  - 3. Exploring habitat selection by insectivorous bats: the conflicting roles of energy and water - Jeffery C. Gruver\* and Robert M.R. Barclay, University of Calgary , Calgary , AB**
  - 4. Winter roosting ecology of pallid bats (*Antrozous pallidus*) in Central California - Dave Johnston, H.T. Harvey & Associates, San Jose , CA 95123**
  - 5. The Great Basin Bat Cooperative: Utah ’s new collaborative research framework for bats - Adam J. Kozlowski\*, Christopher Witt , Utah Division of Wildlife Resources, Ogden , UT (AJK); U.S. Fish and Wildlife Service, West Valley City , UT (CW)**
- Bat Conservation Strategy for British Columbia and Alberta - Vanessa Craig, Susan Holroyd Rasheed, Laura Friis, and Lisa Wilkinson\* EcoLogic Research, Gabriola Island , BC (VC), Holroyd Consulting, Calgary , AB (SHR), BC Ministry of Water, Land and Air Protection, Victoria , BC (LF), Alberta Fish and Wildlife Division, Edson , AB**
- 7. New Acoustic Methods Developed for Improved Management of Southeast Alaska Bats - Matthew J. Heavner\*, Michael Glista, Edwin Knuth, University of Alaska Southeast, Juneau , AK**
  - 8. Do Large Colonies Create Long Commutes? Examining *Myotis* Bat Foraging Distance and Duration - Greg Falxa, Cascadia Research Collective, Olympia , WA**
- 11:00 A.M. – 12:00 P.M. Bats and Wind Energy - Moderator: Elaine Rybak U. S. Forest Service, Portland**

Oregon

- 11:00 A.M.** **Cooperative Efforts to Assess the Impacts of Wind Turbines on Bats** - Edward B. Arnett, Bat Conservation International, Austin , TX
- 11:20 A.M.** **Protocols for Estimating Bat Fatality at Wind Farms** - Wallace P. Erickson\*, Jessica Kerns, and Edward B. Arnett, Western Ecosystems Technology (WPE), Cheyenne, WY, University of Maryland, Frostburg, MD (JK), Bat Conservation International, Austin, TX (EBA)
- 11:40 A.M.** **Interactions Between Bats and Wind Turbines in West Virginia** - Edward B. Arnett\*, Jason Horn, Bat Conservation International, Austin , TX (EBA), Boston University , Boston , MA (JH)
- 12:00 P.M. to 1:45 P.M.** Hosted Lunch -- **Grand Ballroom I**  
Wildlife Photography – Michael Durham
- 1:45 P.M. to 3:30 P.M.** **A Protocol for Forest Bat Survey Protocol: Progress Report and Discussion**
- 1:45 P.M.** **An Introduction to the Primary Protocols** - Bill Zielinski, Pat Ormsbee\* et al.
- 2:00 P.M.** **A Protocol for Detecting Multiple Species in an Area** – Ted Weller et al.
- 2:20 P.M.** **Species-Specific Considerations** – Dixie Pierson\* and Linda Angerer\* et al.
- 2:35 P.M.** **Protocol for Detecting Species in their Roosts** – Mike Herder\*, Pat Ormsbee et al.
- 2:50 P.M.** **The Detection Methods used in the Protocols** – Lori Campbell, Ted Weller\* et al.
- 3:00 P.M.** **Group Discussion**
- 3:30 P.M. to 4:00 P.M.** Break (with Refreshments)
- 4:00 – 5:30 p.m.** Western Bat Working Group Business Meeting (open to all)
- 8:00 P.M.** Bat Films – **Pavillion Ballroom**  
Your Host: Dan Taylor Bat Conservation International, Austin , TX

### *Saturday April 2, 2005*

- 8:00 A.M.** **Continental Breakfast** – Plaza Foyer East
- 8:30 A.M. - 10:10 A.M.** **Updating High Priority Species Accounts** -  
Moderator: Lisa Wilkinson Alberta Fish and Wildlife Division, Edson , AB
- 8:30 A.M.** **Idionycteris phyllotis** – Lyle Lewis and Pat Brown
- 8:50 A.M.** **Antrozous pallidus** – Daniela Rambaldini
- 9:10 A.M.** **Lasiurus xanthinus** - Jason Williams
- 9:30 A.M.** **Myotis thysanodes** – Ted Weller
- 9:50 A.M.** **Eumops perotis** – Missy Siders
- 10:10 A.M. to 10:40 A.M.** Coffee Break
- 10:40 A.M. to 12:00 P.M.** **Updating High Priority Species Accounts - (continued)**  
Moderator: Michael Herder Bureau of Land Management, St. George, UT
- 10:40 A.M.** **Corynorhinus townsendii** – Toni Piaggio
- 11:00 A.M.** **Euderma maculatum** – Carol Chambers and Michael Herder
- 11:20 A.M.** **Leptonycteris nivalis** – Lyle Lewis
- 11:40 A.M.** **Lasiurus blossevilli** – Dixie Pierson
- 12:00 P.M. to 1:30 P.M.** Lunch (on your own)

**1:30 P.M. to 3:30 P.M.**

**Updating High Priority Species Accounts - (continued)**

Moderator: Lyle Lewis, USFWS, Albuquerque , NM

**1:30 P.M.**

**Nyctinomops macrotis** – Toni Piaggio

**1:50 P.M.**

**Choeronycteris mexicana** – Lyle Lewis\* and Paul Cryan

**2:10 P.M.**

**Myotis keenii** - Tanya Dewey

**2:30 P.M.**

**Macrotus californicus** – Pat Brown

**2:50 P.M.**

**Leptonycteris curasoae** – Angie McIntire

**3:10 P.M.**

**Myotis volans** – Pat Ormsbee