



Control Number: 37448



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100 Congress, Suite 300  
Austin, TX 78701  
Telephone: 512-305-4700  
Fax: 512-305-4800  
www.lockelord.com

# Locke Lord Bissell & Liddell<sup>LLP</sup>

Attorneys & Counselors

William B. Steele, III  
Direct Telephone: 512-305-4734  
Direct Fax: 512-391-4734  
wsteele@lockelord.com

January 11, 2010

## Via Hand Delivery

Honorable Wendy Harvel  
Administrative Law Judge  
State Office of Administrative Hearings  
300 W. 15th Street, Suite 504  
Austin, TX 78701-1649

RE: Errata to Direct Testimony of Michael Morrison  
LCRA KREZ CCN Application  
Docket Number 37448

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Dear Judge Harvel:

After the Direct Testimony of Michael Morrison was filed on Thursday, January 7, 2010, I discovered that Mr. Morrison's certification page to his testimony and Mr. Morrison's resume were not attached to that filing, item #569 on the PUC Interchange. Accordingly, attached to this letter is Mr. Morrison's certification page and resume, which is being filed today with the PUC and should be attached as page 55 to Mr. Morrison's Direct Testimony. Mr. Morrison's resume are pages 56 through 94.

By copy of this letter, I am serving all parties of record in this proceeding. If you or the parties have any questions about this Errata, please let me know.

Very truly yours,

*Hank L. Dedmon for William B. Steele, III*

William B. Steele, III  
Counsel to CJ Ranch, LLC, Mountain Place, Inc.,  
Hank and Linda Weghorst, and Margaret Wilkinson

WBS/smf  
Enclosure

cc: Scotty Aplin, Staff Lawyer for the Commission  
All Parties

SOAH DOCKET NO. 473-10-1097  
PUC DOCKET NO. 37448

APPLICATION OF LCRA	§	BEFORE THE
TRANSMISSION SERVICES	§	
CORPORATION TO AMEND ITS	§	
CERTIFICATE OF CONVENIENCE AND	§	
NECESSITY FOR	§	PUBLIC UTILITY COMMISSION
THE GILLESPIE TO NEWTON 345-KV	§	
CREZ TRANSMISSION LINE IN	§	
GILLESPIE, LLANO, SAN SABA,	§	
BURNET, AND LAMPASAS	§	
COUNTIES, TEXAS	§	OF TEXAS

CERTIFICATION OF DIRECT TESTIMONY OF  
MICHAEL MORRISON

I hereby declare under penalty of perjury that the testimony and information in my Direct Testimony filed in the above-entitled and numbered proceeding was prepared by me or by knowledgeable persons upon whose expertise, judgment, and opinions I rely in performing my duties, and that the information in my testimony and the information I am sponsoring is true and correct to the best of my knowledge and belief.

  
Michael Morrison

April 2009

## **MICHAEL L. MORRISON**

PROFESSOR AND CAESAR KLEBERG CHAIR IN WILDLIFE ECOLOGY AND CONSERVATION  
DEPARTMENT OF WILDLIFE AND FISHERIES SCIENCES  
TEXAS A&M UNIVERSITY  
COLLEGE STATION, TEXAS 77843-2258

979-862-7667 mlmorrison@ag.tamu.edu

### **EDUCATION**

*Graduate:* Oregon State University, Corvallis (June 1982)

*Degree:* Ph.D., Wildlife Science

*Thesis:* Response of avian communities to herbicide-induced vegetation changes, western Oregon.

*Graduate:* Texas A&M University, College Station (Dec. 1977)

*Degree:* M.S., Wildlife Science

*Thesis:* Life history and status of the Olivaceous [Neotropical] Cormorant.

*Undergraduate:* Northern Arizona University, Flagstaff (May 1975)

*Degree:* B.S., Zoology (magna cum laude)

### **EXPERIENCE**

(See also Grants, Contracts, and Consulting)

**Current** (2005 to date): Professor and Caesar Kleberg Chair in Wildlife Ecology and Conservation, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station

2003 to 2005: Research Director, Great Basin Institute, University of Nevada, Reno

July 2001 to July 2003: Field Station Manager (Academic Administrator), University of California, White Mountain Research Station, Bishop, CA

Aug. 1993 to 2002: Adjunct Associate Professor of Wildlife Biology, School of Renewable Natural Resources, Univ. of Arizona, Tucson, AZ

May 1996 to June 2001: Adjunct Professor of Wildlife Biology, Department of Biological Sciences, California State University, Sacramento, CA

Aug. 1993 to Dec. 1995: Research Director, Appleton-Whittell Research Sanctuary, National Audubon Society, Elgin, AZ

July 1988 to July 1994: Associate Professor of Wildlife Biology, Department of Forestry

and Resource Management, University of California, Berkeley, CA

July 1988 to July 1992: Research Scientist (0.33 FTE), White Mountain Research Station, University of California, Los Angeles, CA (salary release for research).

Aug. 1982 to June 1988: Assistant Professor of Wildlife Biology, Department of Forestry and Resource Management, University of California, Berkeley, CA

Jan. 1979 to July 1982: Research Assistant, Oregon Cooperative Wildlife Research Unit, Oregon State University, Corvallis

Sept. 1977 to Dec. 1978: Assistant Curator, Western Foundation of Vertebrate Zoology, Camarillo, CA

Sept. 1978 to Dec. 1978: Biology Instructor, Glendale Community College, Glendale, CA

Sept. 1976 to Aug. 1977: Graduate Research Fellow, Welder Wildlife Foundation, Sinton, TX

#### Other Skills

Professional Packer, Rock Creek Pack Station, Bishop, California (Part-time, spring-summer 1993 to date); packing, guiding, horse shoeing, wrangling/roping, cooking, natural history instruction.

#### **UNIVERSITY COURSES TAUGHT**

(U = undergraduate; G = graduate)

##### Texas A&M University

Wildlife Conservation and Management (U; WFSC 201), 2005-2006

Wildlife Study Design (G; WFSC 618), 2006-present (even years)

General Ornithology (U; WFSC 402), 2006-present (yearly)

Wildlife Restoration (U/G; WFSC 419/619), 2007-present (odd years)

##### University of Nevada, Reno

Seminar, Wildlife Restoration (G), 2003

##### White Mountain Research Station, University of California

Research Experience for Undergraduates (U), 2002-04

##### California State University, Sacramento

Animal Biology (U), 1996

Biometrics (U), 1999

Conservation Biology (G), 1999

##### University of Arizona

Topics in Wildlife (study design, wildlife habitat)(G), 1993

Advanced Wildlife Management (G), 1995

##### University of California, Berkeley

American Wildlife: identification and conservation (U), 1982-92  
Case Histories in Wildlife Management (U), 1983-91  
Forestry Summer Camp (wildlife)(U), 1982-91  
Wildlife Ecology (U), 1992  
Wildlife-habitat Relationships (G), 1984-92

**GRADUATE THESES DIRECTED** (U.C. Berkeley, 1982-1992; U. Arizona, 1993 to date; Sacramento State, 1996 to 2003; University of Nevada, Reno, 2003 to date; Humboldt State University, 2004 to date); Texas A&M University (2005 to date)

M.S.: 30 completed, **9 in progress** (TAMU)  
Ph.D: 10 completed, **7 in progress** (TAMU [6], UA)  
Post doctoral: 2 completed, **2 in progress** (TAMU)

## **PUBLICATIONS**

### ***Books***

2009 Morrison, M.L. Restoring wildlife: ecological concepts and practical applications. Island Press, Washington, DC.

2008 Morrison, M.L., W.M. Block, M.D. Strickland, B.A. Collier, and M.J. Peterson. Wildlife study design. Second edition. Springer-Verlag, New York, N.Y.

2006 Morrison, M.L., B.G. Marcot, and R.W. Mannan. Wildlife-habitat relationships: concepts and applications. Third edition. Island Press, Washington, DC.

2002 Morrison, M.L. Wildlife Restoration: Techniques for habitat analysis and animal monitoring. Island Press, Washington, DC.

2001 Morrison, M.L., W.M. Block, M.D. Strickland, and W.L. Kendall. Wildlife study design. Springer-Verlag, New York, N.Y.

1998 Morrison, M.L., B.G. Marcot, and R.W. Mannan. Wildlife-habitat relationships: concepts and applications. Second edition. Univ. of Wisconsin Press, Madison.

1992 Morrison, M.L., B.G. Marcot, and R.W. Mannan. Wildlife-habitat relationships: concepts and applications. Univ. of Wisconsin Press, Madison. 343 pp.

### ***Monographs***

2007 Morrison, M.L., L. Bies, and C. Nolden. 2007. The leadership workbook. a how-to guide on building leadership skills in your life and profession". The Wildlife Society, Bethesda, Maryland

1990, Scott, T.A., and M.L. Morrison. Natural history and management of the San Clemente Loggerhead Shrike. Proceedings of the Western Foundation of Vertebrate Zool.:4(2):23-60.

### ***Proceedings Editor***

2006 Morrison, M.L. (editor). The northern goshawk: a technical assessment of its status, ecology, and management. Studies in Avian Biology no. 31. 369pp.

2002 Scott, J.M., P.J. Heglund, M.L. Morrison, J.B. Haufier, M.G. Raphael, W.A. Wall, and F.B. Samson (editors). Predicting species occurrences: issues of scale and accuracy. Island Press, Washington, DC.

2000, Morrison, M.L. (editor). Developing multiple-species conservation reserves and habitat conservation plans. Environmental Management Volume 26, Supplement 1.

1999, Morrison, M.L., L.S. Hall, S.K. Robinson, S.I. Rothstein, D.C. Hahn, and T.D. Rich. (editors). Research and management of the brown-headed cowbird in western landscapes. Studies in Avian Biology 18:1-312.

1994, Block, W.M., M.L. Morrison, and M.H. Reiser (editors). The northern goshawk: ecology and management. Studies in Avian Biology no. 16:1-136.

1992, Carter, H.R., and M.L. Morrison (editors). Status and conservation of the Marbled Murrelet in North America. Proceedings of the Western Foundation of Vertebrate Zoology 5(1):1-133.

1990, Morrison, M.L., C.J. Ralph, J. Verner, and J.R. Jehl, Jr. (editors). Avian foraging: Theory, methodology, and applications. Studies in Avian Biology 13:1-515.

1986, Verner, J., M. L. Morrison, and C. J. Ralph (editors). Wildlife 2000: Modeling habitat relationships of terrestrial vertebrates. Univ. of Wisconsin Press, Madison, WI. 470 pp.

### ***Papers***

#### ***In press***

Block, G., and M.L. Morrison. Large-scale effects on bird assemblages in desert grasslands. Western North American Naturalist

Borgmann, K.L., and M.L. Morrison. Factors influencing the frequency of nest parasitism in the northern Sierra Nevada mountains. Western North American Naturalist

Butcher, J.A., M.L. Morrison, D. Ransom, Jr., R.D. Slack, and N. Wilkins. Evidence of a minimum patch size threshold of reproductive success in an endangered songbird. Journal of Wildlife Management

Collier, B. A., M. L. Morrison, S. L. Farrell, A. J. Campomizzi, J. A. Butcher, K. B. Hays, D. I. MacKenzie, and R. N. Wilkins. Monitoring endangered species occupying private lands: case study using the golden-cheeked warbler. Journal of Wildlife Management

**Deleted:** Arnett, E.B., M.D. Strickland, and M.L. Morrison. Renewable energy resources and wildlife: impacts and opportunities. Transactions of the North American Wildlife and Natural Resources Conference.¶

Morrison, M.L., J. Groce, and K.L. Borgmann. Occurrence of bats in highly impacted environments: the Lake Tahoe basin. *Northwestern Naturalist*

Morrison, M.L., R.J. Young, and J.S. Romsos, and R. Golightly. Restoring forest raptors: influence of human disturbance and forest condition on northern goshawks. *Restoration Ecology*

Rognan, C.B., J.M. Szewczak, and M.L. Morrison. Vocal individuality of great gray owls in the Sierra Nevada. *Journal of Wildlife Management*

Smallwood, K.S., L. Rugge, and M.L. Morrison. Influence of behavior on bird mortality in wind energy developments: the Altamont Pass Wind Resource Area, California. *Journal of Wildlife Management*

#### 2009

Arnett, E.B., M.D. Strickland, and M.L. Morrison. Renewable energy resources and wildlife: impacts and opportunities. Transactions of the 72<sup>nd</sup> North American Wildlife and Natural Resources Conference 72:65-95.

Campomizzi, A. J., M. L. Morrison, S. L. Farrell, R. N. Wilkins, B. M. Drees, and J. M. Packard. Red imported fire ants can decrease songbird nest survival. Condor 111:534-537.

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#### 2008

Campomizzi, A.J., J.A. Butcher, S.L. Farrell, A.G. Snelgrove, B.A. Collier, K.J. Gutzwiller, M.L. Morrison, and R.N. Wilkins. Conspecific attraction is a missing component in wildlife habitat modeling. *Journal of Wildlife Management* 72:331-336.

#### 2007

Arnett, E. B., D. B. Inkley, R. P. Larkin, S. Manes, A. M. Manville, J. R. Mason, M. L. Morrison, M. D. Strickland, and R. Thresher. Impacts of wind energy facilities on wildlife and wildlife habitat. *Wildlife Society Technical Review* 07-1. The Wildlife Society, Bethesda, Maryland, USA.

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Kunz, T.H., E.B. Arnett, B.M. Cooper, W.P. Erickson, R.P. Larkin, T. Mabey, M.L. Morrison, M.D. Strickland, and J.M. Szewczak. Assessing impacts of wind-energy development on nocturnally active birds and bats: a guidance document. *Journal of Wildlife Management* 71:2449-2486.

Kuvlesky, Jr., W.P., L.A. Brennan, M.L. Morrison, K.K. Boydston, B.M. Ballard, and F.C. Bryant. Wind energy development and wildlife conservation: challenges and opportunities. *Journal of Wildlife Management* 71:2487-2498.

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Smallwood, K.S., C.G. Thelander, M.L. Morrison, and L.M. Rugge. Burrowing owl mortality in the Altamont Pass Wind Resource Area. *Journal of Wildlife Management* 71:1513-1524.

#### 2006

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Cain III, J.W., K.S. Smallwood, M.L. Morrison, and H.L. Loffland. Influence of mammal activity on nesting success of passerines. *Journal of Wildlife Management* 70:522-531

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#### 2004

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#### 2003

Bombay, H.L., M.L. Morrison, and L.S. Hall. Scale perspectives in habitat selection and animal performance for willow flycatchers (*Empidonax traillii*) in the central Sierra Nevada, California. *Studies in Avian Biology* 26:60-72.

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Cain, J.W., M.L. Morrison, and H.L. Bombay. Predator activity and nest success of willow flycatchers and yellow warblers. *Journal of Wildlife Management* 67:600-610.

Green, G.A., H.L. Bombay, and M.L. Morrison. Conservation assessment of the willow flycatcher in the Sierra Nevada. USDA Forest Service, Region 5, Vallejo, CA

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Hardy, P.C., and M.L. Morrison. Nest-site selection by western screech-owls in the Sonoran Desert, Arizona. *Western North American Naturalist* 63:533-537.

Krausman, P.R., and M.L. Morrison. 2003. Wildlife ecology and management, Santa Rita Experimental Range (1903-2002). Pages 59-67 in McClaran, M.P., P.F. Pfolliott, and C.B. Edminster (tech. cords.). *Santa Rita Experimental Range: 100 years (1903-2003) of accomplishments and contributions*. USDA Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-30.

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Lynn, S., A. Averill-Murray, and M.L. Morrison. Bell's vireos and yellow-breasted chats in remnant cottonwood/willow vegetation of the lower Colorado River Valley. Pages 49-56 in Faber, P.M., editor. *California riparian systems: processes and floodplain management, ecology, and restoration*. 2001 Riparian Habitat and Floodplains Conference Proceedings. Riparian Habitat Joint Venture, Sacramento, California.

Morrison, M.L. K.S. Smallwood, and L.S. Hall. Creating habitat through plant relocation: lessons from valley elderberry longhorn beetle mitigation. *Ecological Restoration* 21:95-100.

Rood, S.B., C.R. Gourley, E.M. Ammon, L.G. Heki, J.R. Klotz, M.L. Morrison, D. Mosley, G.G. Scopettone, S. Swanson, and P.L. Wagner. Flows for floodplain forests: a successful riparian restoration. *BioScience* 53:647-656.

## 2002

Hall, L.S., M.L. Morrison, L.L. Christoferson, J. Martin, C.E. Bock, and T.R. Strong. Bird populations in riparian areas of southeastern Arizona in 1985-86 and 1994-95. *Western North American Naturalist* 62:370-376.

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Morrison, M.L. Role of temporal and spatial scale. Pages 123-124 in J.M. Scott et al., editors. *Predicting Species Occurrences: issues of scale and accuracy*. Island Press, Covelo, California.

Morrison, M.L. Searcher bias and scavenging rates in bird/wind energy studies. National renewable Energy Laboratory, Golden, Colorado. NREL/SR-500-30876. 5pp.

Morrison, M.L., and A. Averill-Murray. Evaluating the efficacy of manipulating cowbird parasitism on host nesting success. *Southwestern Naturalist* 47:236-243.

Morrison, M.L., and D.C. Hahn. Geographic variation in cowbird distribution, abundance, and parasitism. *Studies in Avian Biology* 25:65-72.

Morrison, M.L., and L.S. Hall. Standard terminology: toward a common language to advance ecological understanding and applications. Pages 43-52 in J.M. Scott et al., editors. *Predicting Species Occurrences: issues of scale and accuracy*. Island Press, Washington, D.C.

Morrison, M.L., and J.M. Szwczak. Focus on field stations: White Mountain Research Station, University of California. *Bulletin of the Ecological Society of America* 83:63-68.

Morrison, M.L., A.J. Kuenzi, C.F. Brown, and D.E. Swann. Habitat use and abundance trends of rodents in southeastern Arizona. *Southwestern Naturalist* 47:519-526.

Queheillalt, D.M., J.W. Cain, III, D.E. Taylor, M.L. Morrison, S.L. Hoover, N. Tuatoo-Bartley, L. Rugge, K. Christopherson, M.D. Hulst, M.R. Harris, and H.L. Keough. The exclusion of rare species from community-level analyses. *Wildlife Society Bulletin* 30:756-759.

Scott, J.M., P.J. Heglund, M.L. Morrison, J.B. Haufler, M.G. Raphael, W.A. Wall, and F.B. Samson (editors). Introduction. *Predicting species occurrences: issues of scale and accuracy*. Pages 1-5 in J.M. Scott et al., editors. *Predicting Species Occurrences: issues of scale and accuracy*. Island Press, Covelo, California.

Yates, T.L., J.N. Mills, C.A. Parmenter, T.G. Ksiazek, R.R. Parmenter, J.R. Vande Castle, C.H. Calisher, S.T. Nichol, K.D. Abbott, J.C. Young, M.L. Morrison, B.J. Beaty, J.L. Dunnum, R.J. Baker, J. Salazar-Bravo, and C.J. Peters. The ecology and evolutionary history of an emergent disease: hantavirus pulmonary syndrome. *BioScience* 52:989-998.

#### 2001

Christoferson, L.L., and M.L. Morrison. Integrating methods to determine breeding and nesting status of 3 western songbirds. *Wildlife Society Bulletin* 29:688-696.

Fitzgerald, C.S., P.R. Krausman, and M.L. Morrison. Short-term impacts of prescribed fire on a rodent community in a desert grassland. *Southwestern Naturalist* 46:332-337.

Hulst, M.D., L.S. Hall, and M.L. Morrison. Assessing salt marsh harvest mouse movements during high tides, San Pablo Bay, California. *Transactions of the Western Section of The Wildlife Society* 37:88-91.

Keough, H.L., M.L. Morrison, and K. Christopherson. Utility pole use and electrocutions of raptors at Beale Air Force Base, California. *Transactions of the Western Section of The Wildlife Society* 37:43-46

Morrison, M.L. Techniques for discovering historic animal assemblages. Pages 295-316 in D. Egan and E.A. Howell, editors. *The historical ecology handbook*. Island Press, Washington.

Turner, J.W., Jr., and M.L. Morrison. Influence of predation by mountain lions on numbers and survivorship of a feral horse population. *Southwestern Naturalist* 46:

#### 2000

Brennan, L.A., M.L. Morrison, and D.L. Dahlsten. Comparative foraging dynamics of chestnut-backed and mountain chickadees in the western Sierra Nevada. *Northwestern Naturalist* 81:129-147.

Fox, L.M., P.R. Krausman, M.L. Morrison, and R.M. Kattnig. Water and nutrient content of forage in Sonoran pronghorn habitat, Arizona. *California Fish and Game* 86:216-232

Fox, L.M., P.R. Krausman, M.L. Morrison, and T.H. Noon. Mineral content of Sonoran pronghorn forage. *California Fish and Game* 86:159-174.

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#### 1999

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Averill-Murray, A., S. Lynn, and M.L. Morrison. Cowbird parasitism of Arizona Bell's vireos (*Vireo bellii arizonae*) in a desert riparian landscape: implications for cowbird management and riparian restoration. *Studies in Avian Biology* 18:109-120.

Bias, M.A., and M.L. Morrison. Movements and home range of salt marsh harvest mice. *Southwestern Naturalist* 44:348-353.

Brennan, L.A., M.L. Morrison, and D.L. Dahlsten. Influence of vegetation on occupation of nest boxes by chestnut-backed and mountain chickadees. *Northwestern Naturalist* 80:90-98.

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- Fitzgerald, C.S., P.R. Krausman, and M.L. Morrison. Use of buried and non-buried traps to sample desert rodents. *California Fish and Game* 85:140-143.
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- Hardy, P.C., M.L. Morrison, and R.X. Barry. Abundance and habitat associations of elf owls and western screech-owls in the Sonoran Desert. *Southwestern Naturalist* 44:311-323.
- Harmata, A.R., K.M. Podrutzny, J.R. Zelenak, and M.L. Morrison. Passage rates and timing of bird migration in Montana. *American Midland Naturalist* 143:30-40.
- Harmata, A.R., K.M. Podrutzny, J.R. Zelenak, and M.L. Morrison. Using marine surveillance radar to study bird movements and impact assessment. *Wildlife Society Bulletin* 27:44-52.
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- Kuenzi, A.J., G.T. Downard, and M.L. Morrison. Bat distribution and hibernacula use in west-central Nevada. *Great Basin Naturalist* 59:213-220.
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- Martin, J.A., and M.L. Morrison. Distribution, abundance, and habitat characteristics of the buff-breasted flycatcher in Arizona. *Condor* 101:272-281.
- Morrison, M.L., and L.S. Hall. Habitat characteristics of reptiles in pinyon-juniper woodland. *Great Basin Naturalist* 59:288-291.
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Morrison, M.L., and R.D. Slack. 1977. The role of flock feeding in Olivaceous Cormorants. Bird Banding 48:277-279.

Morrison, M.L., and R.D. Slack. 1977. Population trends and status of the Olivaceous Cormorant. Am. Birds 31:954-959.



Morrison, M.L., E. Shanley, Jr., and R.D. Slack. The food of nestling Olivaceous Cormorants. *Southwestern Nat.* 22:21-326.

1976

Griffing, J.P. and M.L. Morrison. Recent articles about Texas birds: 1975-1976. *Bull. Texas Ornithol. Soc.* 9:9-10.

**EDITORIAL**

Editor, *Ornithological Monographs* (2008 to date)

Associate Editor, *Western North American Naturalist* (2007 to date)

Editor in Chief, *Journal of Wildlife Management*, volumes 69-71 (2004 to 2007)

Editorial Board, *Environmental Management* (2000 to 2003)

Editor, *Transactions of the Western Section of The Wildlife Society* (1997 to 1998).

Associate Editor, *Journal of Wildlife Management* (1989 to 1993; 2001 to 2003).

Editor, Western Foundation of Vertebrate Zoology *Proceedings* (1987 to 1992).

**WORKSHOPS**

Wildlife Habitat: improving wildlife habitat through restoration. 1-2-day workshops, sponsored by the Society for Ecological Restoration, for developing wildlife-habitat restoration plans (presented periodically 1997 to 2003, nationwide)

**GRANTS, CONTRACTS, CONSULTING**

\*Continuing studies are listed by year of initial funding and indicated in bold

2009

2008

**Texas Parks and Wildlife Department—contract through USFWS Section 6 funding to develop status assessment of the golden-cheeked warbler (2008-2009, \$43K; co-PI)**

**Texas Department of Transportation (TxDOT)—contract to determine response of golden-cheeked warbler and black-capped vireo to highway construction activities (2008-2011, \$1,300,000; co-PI)**

**Texas Department of Transportation (TxDOT)—contract to determine the statewide distribution and abundance of black-capped vireo, and to develop and test a habitat occupancy model (2008-2010, \$350K; co-PI)**

#### 2007

**Texas Department of Transportation (TxDOT)—contract to determine the statewide distribution and abundance of golden-cheeked warblers, and to develop and test a habitat occupancy model (2007-2009, \$700K; co-PI)**

**Texas Department of Transportation (TxDOT)—contract to determine response of golden-cheeked warbler and black-capped vireo to Highway construction activities (2007-2010, \$600K; co-PI)**

**Texas Parks and Wildlife Department—contract to quantify habitat use of golden-cheeked warblers on private lands (2007, \$80K)**

#### 2006

**Texas Parks and Wildlife Department—contract to evaluate implementation of the Landowner Incentive Program (LIP) in Texas (2006-2010, \$165K)**

**Texas Parks and Wildlife Department—contract to determine the response of wildlife to grassland restoration (2006-2008, \$90K)**

**Texas Parks and Wildlife Department—contract to determine habitat use and roost site selection in rare bats of eastern Texas (2006-2009, \$110K; co-PI)**

**Texas Parks and Wildlife Department—contract to study the demography of the eastern turkey in relation to reintroductions and survival (2006-2011, \$500K; co-PI)**

**Texas Parks and Wildlife Department—contract to study movements of migratory birds along the Texas lower Gulf Coast (2006-2009, \$200K; co-PI)**

**USDA Forest Service, Rocky Mountain Research Station—contract to assist with analysis of data resulting from a study of the population ecology of secondary cavity nesting birds (\$25K)**

**Texas Agricultural Experiment Station—Funded acquisition of equipment for the Texas Cooperative Wildlife Collection through the TAES "Support for research equipment and facilities upgrade" program (freeze drier purchased)**

#### 2005

**Department of Energy—Project collaborator through TAMU-CESU to evaluate environmental issues associated alternative oil and gas drilling extraction methods (2005-2007; \$80K for environmental portion of \$1.5M total engineering project)**

**Department of Defense—Co-PI for Fort Hood Off-Site Conservation Program (2005-2009; \$1,075,000)**

**California Department of Fish and Game (through University of California, Riverside subcontract)—Contract awarded to establish a monitoring protocol for vertebrates in montane meadows of the northern Sierra Nevada, California (2005-2007) \$110,000**

#### 2004

**California Department of Transportation—Principal collaborator (J. Szewczak, PI) on grant**

awarded for development of bird species identification and population estimation by computerized sound analysis (2004-07) \$350,000

DOD, Strategic Environmental Research Defense Program—Principal collaborator (J. Szewczak, PI) on grant awarded for development of remote voice recording and species recognition software for bats and birds (2004-2007) \$635,000

Tahoe Regional Planning Agency—Grant awarded to develop restoration needs assessment for the northern goshawk (2004-06) \$50,000

Tahoe Regional Planning Agency—Contract awarded to serve on Pathway 2007 core science teams (wildlife and vegetation) (2004-2005) \$40,000

US Forest Service, Lake Tahoe Basin Management Unit—Contract awarded to determine distribution and abundance of northern goshawks (2004-06) \$25,000

US Navy, Concord Weapon Station—Contract awarded for surveying clapper rails and conducting habitat assessment (2004) \$4,000

US Navy, Concord Weapon Station—Contract awarded for surveying California red-legged frogs and California tiger salamanders (2004-06) \$70,000

US Navy, Concord Weapon Station—Contract awarded for surveying salt marsh harvest mouse and California clapper rail (2004-05) \$24,000

US Navy, Skaggs Island—Contract awarded for managing salt marsh harvest mice during habitat restoration (2004) \$12,000

US Navy, Naval Air Station, Lemoore—Contract awarded to conduct base-wide vertebrate surveys (2004-05) \$65,000

USFWS, Region 2—Contract awarded to serve as technical editor for revision of the Mexican spotted owl recovery plan (2004-06) \$40,000

#### 2003

US Forest Service, Lake Tahoe Basin Management Unit—Contract awarded for assisting with development of restoration and monitoring plans, and data collection (2003 to 2008) \$60,000-\$285,000 annually

Tahoe Regional Planning Agency—Contract awarded to serve on Adaptive Management Framework Science Team, Phase I (2003-2004) \$15,000

#### 2002

National Science Foundation—Co-PI on award to establish Research Experience for Undergraduates (REU) program at White Mountain Research Station (2002-2004) \$150,000

California Department of Fish and Game—Award to implement meadow monitoring and conduct surveys of willow flycatchers in Sierra meadow systems (2002-2005) \$170,000

2001

**US Navy, Naval Air Station Lemoore—Develop and implement restoration and monitoring plan for the endangered Fresno kangaroo rat (2000 to date) \$40-60,000/year**

Beale Air Force Base—Develop and implement monitoring plan to reduce birds as a strike hazard for military aircraft (BASH program) (2001) \$35,000

2000

California Department of Transportation—contract to conduct a natural resource assessment of Highway 26, Calaveras Co. \$9,000

1999

California Department of Transportation—contract to implement a monitoring program for elderberry survival and elderberry longhorn beetle activity on a restoration/mitigation bank, Merced Co. (Livingston), California (1999-2001) \$30,000

California Department of Transportation—contract to develop monitoring program on restoration/mitigation bank, Carmel, Monterey Co., California (1999-2002) \$197,000

California Department of Transportation—contract to conduct a natural resource assessment of the Highway 46 corridor, San Luis Obispo Co. (1999-2001) \$125,000

1998

Beale Air Force Base—cooperative agreement for monitoring wildlife and wildlife habitat (1998-99) \$5500

California Department of Fish and Game—contract to develop recovery plan for the greater sandhill crane (1998-01) \$200,000

California Department of Transportation—contract to conduct a natural resource assessment of the Highway 16 corridor, Amador Co. (1998) \$19,000

California Department of Transportation—contract to conduct a natural resource assessment, including red-legged frog survey, for the Sonora bypass project (1998) \$5,000

Edison International (So. Calif. Edison), raptor-powerline interactions in the Owens Valley, California; consulting agreement for study design, project implementation, and data analyses (1998-99)

Edison International (So. Calif. Edison)—consulting agreement to develop a workshop and white paper for multiple-species conservation reserves and electric distribution facilities (1998-99) \$35,000

Endangered Species Recovery Council—retained to assist with study design and monitoring, San Clemente Island wind power development (1998-99) \$10,000

U.S. Navy, Concord Naval Weapons Station—cooperative agreement (with P. Gertin) to develop base-wide habitat characteristics of wildlife (1998-99) \$125,000

Wildlands, Inc--retained to assist with design of mitigation plan for endangered wildlife

1997

Northern Territories, Inc., Sacramento--consulting agreement to assist with evaluation of, and development of alternatives to, the Natomas Basin Habitat Conservation Plan (1997-99)

Arizona Game and Fish, Heritage Program, Phoenix--grant to establish a cowbird control program along the lower Colorado River (1997-99) \$11,000

U.S. Fish and Wildlife Service, Southwest Region--cooperative agreement to establish a cowbird control program along the lower Colorado River (1997-99) \$50,000/year

U.S. Bureau of Reclamation, Lower Colorado Region--cooperative agreement to establish a cowbird control program along the lower Colorado River (1997-99) \$25,000

U.S. Fish and Wildlife Service, Sacramento Field Office--contract to assess the effects of mercury contamination on the distribution of the California red-legged frog (Santa Clara Co.) (1997-98) \$45,000

**U.S. Forest Service, Region 5--contract to determine distribution, habitat quality, and population dynamics of the willow flycatcher in the Sierra Nevada (1997 to date) \$70-190K/year**

1996

Centers for Disease Control, Atlanta--contract to study the temporal variation in hantavirus in rodents in southeastern Arizona (1996-2001) \$55-75K/year

Arizona Game and Fish, Heritage Program, Phoenix--grant to determine distribution and abundance of birds in southeastern Arizona grasslands (1996-98) \$11,000

1995

U.S. Air Force, Luke Air Force Base, Arizona--contract to expand inventory-monitoring program for neotropical birds on the Barry M. Goldwater Air Force Range (routed through Jones Tech.) (1995-96) \$36,000

Consulting in the Public Interest, Islip, NY--assisting with analysis of potential influence of small mammals in the transport of buried nuclear waste (1995 to date)

National Audubon Society, New York, NY--wildlife ecology and study design consultant to assist with private forest-biodiversity initiatives in east and southeast US (1995 to date)

Arizona Department of Health Services, Phoenix--contract to study the temporal variation in hantavirus in rodents in southeastern Arizona (1995-96) \$81,000

U.S. Air Force, Luke Air Force Base, Arizona--contract to continue and expand study of the ecology of small owls on the Barry M. Goldwater Air Force Range (1995-96) \$24,000

U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Ft. Collins--coop. agreement to develop habitat restoration plans for southwestern grasslands (P.R.

Krausman, co-PI (1995-98) \$62,000

1994

U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Ft. Collins--coop. agreement to develop a comprehensive status of knowledge and study design for research on the wildlife resources of the borderlands ecosystem management program area (P.R. Krausman, co-PI) (1994-95) \$41,000

National Renewable Energy Laboratory (DOE), Golden, Colorado--ornithological and biostatistical consulting contract for work on avian-windpower interactions (1994 to date) \$45-48,000/year

California Department of Fish and Game, Office of Oil Spill Prevention and Response, Sacramento--monitoring of listed and protected bird species during the beach excavation project, UNOCAL Guadalupe Oilfield, San Luis Obispo, California (1994-95) \$8,000

U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Ft. Collins--coop. agreement to determine the distribution and abundance of Mexican spotted owl prey on the Manti-LaSal National Forest (1994-95) \$15,000

Arizona Game and Fish, Heritage Program, Phoenix--grant to determine distribution and habitat ecology of the buff-breasted flycatcher (1994-96) \$10,000

U.S. Air Force, Luke Air Force Base, Arizona--contract to determine the ecology of small owls on the Barry M. Goldwater Air Force Range (1994-96) \$40,000

U.S. Navy, Office of Naval Research, Arlington, Virginia--competitive grant awarded to supplement studies on Cabeza Prieta National Wildlife Refuge, concentrating on Sonoran pronghorns (P.R. Krausman, co-PI) (1994-96) \$50,000

Dames & Moore, Tucson, Arizona--as subcontractor for U.S. Air Force, Luke Air Force Base, to establish an inventory-monitoring program for neotropical migrant birds (1994) \$18,000  
U.S. Fish and Wildlife Service, Reno Field Office, Nevada--contract to determine the status of known Plecotus roosts and identification of critical bat habitat in Nevada (1994-95) \$20,000

U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Ft. Collins--coop. agreement to determine the status and trends of neotropical migrant birds in riparian vegetation (R.W. Mannan, co-PI) (1994-95) \$6,000

U.S. Forest Service, Coronado National Forest, Tucson--cost-share agreement to determine the status and trends of neotropical migrant birds in riparian vegetation (R.W. Mannan, co-PI) (1994-95) \$22,000

U.S. Forest Service, Manti-LaSal National Forest--contract to conduct Mexican spotted owl prey study (1994-95) \$78,000

U.S. Fish and Wildlife Service, Albuquerque--contract to conduct inventory and monitoring and ecological investigations of birds on the lower Colorado River refuges (1994-95) \$70,000

### 1993

Department of the Navy, Western Division -- contract awarded to inventory sensitive plants and animals, Concord Naval Weapons Station (1993-94) \$40,000

U.S. Fish and Wildlife Service, Pacific Islands Office, Honolulu--survey of the Hawaiian hawk (1993-94)

Uribe & Associates, Oakland--biological resources evaluation, NAS Fallon (1993-94)

Uribe & Associates, Oakland--biological resources evaluation, NAS Lemoore (1993-94)

U.S. Fish and Wildlife Service, Albuquerque -- contract awarded to establish an inventory-monitoring program for birds at the Bill Williams River National Wildlife Refuge, Arizona (1993) \$9,000

U.S. Fish and Wildlife Service, Albuquerque -- contract awarded to inventory and conduct ecological investigations of wildlife using charcos (water holes) at the Cabeza Prieta National Wildlife Refuge, Arizona (1993-95) \$80,000

### 1992

California Tahoe Conservancy -- contract awarded for study of distribution, abundance, and habitats of northern goshawks in the Tahoe Basin (5/92 to 8/94) \$225,000

California Department of Fish and Game, Redding--data analysis and statistical consulting for the Cantara spill, Sacramento River (1992)

Department of the Navy, Southwestern Division -- contract awarded for study of endangered San Clemente Loggerhead Shrike (T.A. Scott, co-PI) (1992) \$100,000

Department of the Navy, Western Division -- contract awarded for study of endangered Fresno Kangaroo Rat, NAS Lemoore (1992-93) \$65,000

Department of the Navy, Western Division -- contract awarded for study of bird-habitat relationships and bird flight patterns (BASH program), NAS Lemoore (1992-93) \$50,000

Department of the Navy, Western Division -- contract awarded for study of the distribution, abundance, and ecological interactions of ground squirrels, salamanders, and raptors at Concord Naval Weapons Station (D. VanVuren, co-PI) (1992-93) \$75,000

U.S. Fish and Wildlife Service, Reno, NV -- contract awarded for study of distribution and abundance of birds along the Truckee River, California and Nevada (1992-93) \$20,000

U.S.D.A. Forest Service, Region 5 -- contract awarded to establish a monitoring program for Neotropical migrant birds in the White Mountains, California (1992-93) \$38,000

Department of the Army, Ft. Huachuca -- contract awarded to determine distribution, abundance, and habitat associations of amphibians and reptiles (1992) \$10,000

University of California, Integrated Hardwood Range Management Program -- contract

awarded to determine effects of hardwood removal on wildlife (W.M. Block, co-PI)(1992-95)  
\$80,000

1991

California Dept. of Parks and Recreation -- contract awarded for study of distribution, abundance, and habitats of northern goshawks in the Tahoe Basin (4/91 to 7/92) \$25,000

1990

Department of the Navy, Western Division -- contract awarded for study of birds as hazards to military aircraft, Naval Air Station, Alameda (1990-91) \$15,000

Jones & Stokes, Sacramento--ecological assessment of the Mono Lake islands, California (1990-91)

San Diego County, California, Dept. of Parks and Recreation -- contract awarded for biological evaluation and habitat restoration of Guajome Regional Park (T.A. Scott, co-PI) (4/90 to 6/91; supplemented through 8/93) \$50,000

San Diego County, California, Dept. of Parks and Recreation -- contract awarded for biological evaluation and habitat restoration of Sweetwater Regional Park (T.A. Scott, co-PI) (4/90 to 6/94) \$50,000  
1989

Department of the Navy, Western Division -- contract awarded for ecological studies of the endangered salt marsh harvest mouse (1 April 1989 to date; renewed annually through 1994) \$425,000

Department of the Navy, Western Division -- contract awarded for study of bird-aircraft interactions on military airfields (1 Aug. 1989 to 30 Sept. 1991) \$75,000

Pacific Southwest Forest and Range Experiment Station, USDA Forest Service -- cooperative agreement (PSW-89-0013CA) awarded for a comparison of bird communities in the pinyon-juniper and bristlecone pine habitats in the White-Inyo mountains (1989-1991) \$20,000

1988

California Department of Forestry and Fire Protection -- Contract awarded for study of wildlife-habitat relationships in oak woodlands of California (15 April 1988 to 31 Dec. 1989) \$80,000

University of California Cooperative Extension -- Renewable Resources Extension Act (RREA). Funding for a study of Wildlife-habitat relationships (WHR) validation (supplement to oak woodland wildlife study, FY 1988) \$2,000

1987

California Department of Parks and Recreation -- contract awarded for study of wildlife use of eucalyptus trees on Angel Island State Park, San Francisco Bay (June 1987 to June 1988) \$10,000

1986



Pacific Southwest Forest and Range Experiment Station, USDA Forest Service – Cooperative Agreement (PSW-86-0006CA) awarded for study on predation of incense cedar scale insects by birds. (1 May to 31 Dec. 1986) \$12,000

University of California, Cooperative Extension – Grant awarded for study of wildlife-habitat relationships in oak woodlands of California (1 July 1986 - 31 Dec. 1988) \$5,000

#### 1985

Pacific Southwest Forest and Range Experiment Station, USDA Forest Service – Cooperative Agreement (PSW-85-0011CA) awarded for development of models predicting the distribution and abundance of snags (1 March-30 June 1985) \$10,000

California Department of Fish and Game – contract (No. 85/86 C-1285) awarded for continuation of the "Ecological Analysis of the San Clemente Loggerhead shrike (7 October 1985-30 September 1986) \$10,000

Pacific Southwest Forest and Range Experiment Station, USDA Forest Service – contract (P.O. No. 43-9AEG-6-21) for report on "Winter foraging behavior and tree species preferences of birds in mixed-conifer forests of the western Sierra Nevada." (order date Dec. 1985; due date 31 March 1986) \$10,000

#### 1984

California Department of Fish and Game -- contract (No. 83/84 C-685) awarded for "Ecological Analyses of the San Clemente Loggerhead Shrike (contract period March 1984 to Sept. 1984). \$15,000

Tahoe National Forest, USDA Forest Service – contract (P.O. No. 43-9463-4-987) for report on establishment of study plots and preliminary survey of cavity-nesting birds at Sagehen Creek Field Station-UCB (order date 31 August 1984; due date 1 July 1985). \$1,000

Western Division, Naval Facilities Engineering Command, Department of the Navy – contract (Letter of Agreement N62474-84-LT4115) awarded for continued study of the San Clemente Loggerhead Shrike, with emphasis on predators and management options (1 August 1984 to 31 August 1985) \$15,000

Pacific Southwest Forest and Range Experiment Station, USDA Forest Service – Cooperative Agreement (PSW-84-0030CA) awarded for analysis of winter use of incense cedar as a foraging substrate by birds (contract period 24 September 1984 to 30 September 1985) \$10,000

#### 1983

Agricultural Experiment Station, University of California – McIntire-Stennis project (CA-F\*-FRU-4274-MS) awarded for development of models predicting the response of avian communities to habitat modification in a forest management context (contract period 1983-1989) \$120,000

Pacific Southwest Forest and Range Experiment Station, USDA Forest Service -- Cooperative Agreement (PSW-83-0013CA) awarded for study of fuel wood removal and cavity nesting birds at Sagehen Creek Field Station (May 1983 to March 1984) \$10,000

Endangered Species Office, U. S. Fish and Wildlife Service -- Cooperative Agreement (14-16-0001-83284) awarded for study of endangered subspecies of the Loggerhead Shrike (*Lanius ludovicianus meamsi*) on San Clemente Island, California (9/83-9/84) \$10,000

Tahoe National Forest, USDA Forest Service -- contract (P.O. No. 40-9A63-3-1114) for report on status of snag studies at Sagehen Creek Field Station-UCB (order date 21 Sept. 1983; due date 31 Nov. 1983) \$1,000

1982

Frank M. Chapman Memorial Fund -- grant awarded Fall 1982 for continuation of work with *Dendroica* warblers (American Museum of Natural History) \$500

1981

Alexander Wetmore Memorial Fund -- grant awarded April 1981 for analysis of hybridization between the Townsend's and Hermit warblers (American Ornithologists' Union) \$500

1980

Frank M. Chapman Memorial Fund -- grant awarded Sept. 1980 for analysis of foraging behavior of western *Dendroica* (American Museum of Natural History) \$500

1977

Bureau of Land Management -- subcontractor for assembling "Annotated Bibliographies of California Desert Birds," Oct. 1977 to Dec. 1978 (BLM, Riverside Office) \$2,000

**PRESENTATIONS**

(Only those for which I presented the talk or poster are listed)

2009

Morrison, M.L. Conservation and management of the willow flycatcher. Willow Flycatcher and Great Gray Owl Workshop, Western Section, The Wildlife Society, Truckee (Northstar), 3-4 June 2009 (invited)

Morrison, M.L. Wind power development and wildlife: state of our knowledge. Texas Chapter, The Wildlife Society, Annual Conference, Lubbock, 27 February 2009. (Plenary speaker, invited).

2007

Morrison, M.L. Effects on wildlife: lessons learned from other states. Wind and Wildlife Conference, Texas Wildlife Association, Abilene, Texas, 25 October 2007 (invited)

Morrison, M.L. A review of impacts of offshore wind energy development on wildlife. Annual Conference, The Wildlife Society, Tucson, Arizona, 25 September 2007.

Morrison, M.L. Gaining reliable knowledge: monitoring and HCPs. Science and Multispecies Habitat Conservation Plans, University of California, Riverside, 15-16 May 2007 (invited)

#### 2006

Morrison, M.L. Concepts and applications in wildlife restoration. Rangeland Ecology and Management, Texas A&M University, 31 January 2006. (invited)

#### 2005

Morrison, M.L. Concepts and applications in wildlife restoration. School of Forestry, Northern Arizona University, Flagstaff, 16 November 2005 (invited)

#### 2004

Morrison, M.L., and M. Hurt. An adaptive management framework for wildlife restoration: Lake Tahoe Basin. Annual Conference, California Society for Ecological Restoration, 16 October, Kings Beach, CA

Morrison, M.L., and M. Hurt. Developing desired conditions for wildlife restoration. Poster presented at the 2<sup>nd</sup> Biennial Conference on Tahoe Environmental Concerns, Nevada Water Resources Association, Lake Tahoe, NV

Smallwood, K.S., and M.L. Morrison. Responses of Fresno kangaroo rats to habitat improvements in an adaptive management framework. Annual Conference, California Society for Ecological Restoration, 16 October, Kings Beach, CA

#### 2003

Morrison, M.L. Demography and conservation of the willow flycatcher. Department of Biology, Ecology, Evolution, and Conservation Biology (EECB) Seminar, University of Nevada, Reno (invited).

Morrison, M.L. Concepts of animal ecology as applied to restoration. 2003 Arid Southwest Lands Habitat Restoration Conference, Palm Springs, California (invited).

#### 2002

Morrison, M.L. Wind power—a clean source of renewable energy vs. avian mortality at wind turbines: are there bird problems? Presenter and panel member, American Bird Conservancy, Policy Council Meeting, Washington, D.C. (invited).

Morrison, M.L. Development of a renewable energy program at UC White Mountain Research Station. California Hydrogen Business Council, Quarterly Meeting, University of California, Riverside (invited)

#### 2001

Lynn, S., A. Averill, and M.L. Morrison. Habitat management for selected neotropical migrant songbirds in cottonwood/willow patches, lower Colorado River. Riparian Habitat and Floodplain Conference, Sacramento, California.

#### 2000

Morrison, M.L. Predicting and preventing hantavirus infections: temporal patterns of rodent populations and hantavirus in Arizona. Seminar presented to College of Ecosystem Science and Management, Northern Arizona University, Flagstaff (invited).

#### 1999

Morrison, M.L., and L.S. Hall. Standard terminology: toward a common language to advance ecological understanding and applications. Symposium on Predicting Species Occurrences: issues of scale and accuracy, Snowbird, Utah (invited Plenary Speaker).

Morrison, M.L., and D.C. Hahn. Cowbird parasitism in eastern and western landscapes. 69<sup>th</sup> Annual Meeting, Cooper Ornithological Society, Portland, OR (invited symposium presentation).

#### 1998

Morrison, M.L., K.H. Pollock, A.L. Oberg, and K.C. Sinclair. Predicting the response of bird populations to wind-energy related deaths. ASME Wind Energy Symposium, 36th American Institute of Aeronautics and Astronautics (AIAA) Meeting, Reno, NV.

#### 1997

Morrison, M.L., and L.S. Hall. Habitat relationships of amphibians and reptiles in the Inyo-White Mountains, California and Nevada. Poster presented at the Symposium on the Ecology and Management of Pinyon-Juniper Communities within the Interior West.

Morrison, M.L. Status of the southeastern Arizona longitudinal hantavirus study. 1997 Vector-borne and zoonotic diseases conference, Arizona Department of Health Services, Phoenix, Arizona.

Morrison, M.L., A.J. Kuenzi, D.E. Swann, and L.S. Hall. Dynamics of hantavirus infection in rodents in southeastern Arizona. 4th Annual Conference, The Wildlife Society, Snowmass Village, Colorado.

#### 1996

Morrison, and L.S. Hall. The habitat concept: misused centerpiece of restoration ecology. Fifth annual meeting, California Chapter, Society for Ecological Restoration (SERCAL), Yosemite, California

Morrison, M.L., W.M. Block, L.L. Christoferson, and L.S. Hall. Linking research and management: conceptual designs and case studies from the southwest. 61st North American Wildlife and Natural Resources Conference, Tulsa, Okla.

#### 1995

Morrison, M.L. Monitoring resource management actions: conceptual framework. Plenary Session, 28th Annual Meeting, Arizona and New Mexico Chapters, The Wildlife Society, Gallup, NM.

#### 1994

Morrison, M.L. Designing bird inventory and monitoring programs. Presentation to wildlife biologists, Prescott National Forest, Arizona.

Morrison, M.L. Ecosystem management: measuring biotic resources. Invited presentation to the School of Renewable Natural Resources, Univ. of Arizona; workshop-planning meeting for ecosystem management at the Santa Rita Experimental Range.

#### 1993

Morrison, M.L., and T.A. Scott. Integration of wildlife inventory-monitoring in restoration plans. Northern California Chapter, Society of Ecological Restoration, Oakland.

Morrison, M.L. Design of inventory-monitoring programs for Forest planning. Presentation to District, Forest, and Regional wildlife biologists, Region 5, U.S. Forest Service, Fresno, California.

#### 1992

Morrison, M.L. The study of habitat: a critical look at concepts and future directions; and How we might study animal habitat: research design and analysis. Seminars presented at the Ecology Center, Utah State University, Logan (invited speaker).

#### 1991

Morrison, M.L. Managing our forests for looks (structure) and not for birds (floristics). Western Section, The Wildlife Society, Annual Meeting, Sacramento, Calif. (Invited lecture).

Morrison, M.L., and T.A. Scott. Developing a methodology for wildlife habitat restoration plans. Society for Ecological Restoration, Annual Meeting, Orlando, Florida.

Morrison, M.L. Components and expressions of a healthy forest: wildlife and wildlife resource requirements. 40th Annual California Forest Pest Control Council, Sacramento, CA (invited speaker).

#### 1990

Morrison, M.L. Can a single species be used as an indicator of environmental change? Theory and tools for managing species at risk. University Extension, Univ. California, Davis. (invited lecture).

#### 1989

Morrison, M. L. Evolution in the *Dendroica virens* group: geographic variation in *D. nigrescens*. 107th Annual Meeting of the American Ornithologists' Union, University of Pittsburgh, Pittsburgh, Penn.

Morrison, M.L., M.L. Morton, L.S. Hall, J.L. Harner, and J.J. Keane. Population biology of small mammals in the Inyo-White mountains. White Mountain Research Station Symposium III, Bishop, Calif.

Morrison, M.L. Natural history of vertebrates in the Inyo-White range. Fall Lecture Series, White Mountain Research Station, Bishop, Calif. (Invited lecture).

#### 1988

Morrison, M. L. The design and importance of long-term ecological studies: analysis of vertebrates in the Inyo-White mountains, California. Symposium on Management of Amphibians, Reptiles, and Small Mammals in North America. Flagstaff, Ariz.

Morrison, M. L. Dilemmas in wildlife management: worthless trees and the birds that use them. Invited presentation, Special Lecture in Zoology, Southern Illinois University, Carbondale.

#### 1987

Morrison, M. L. Design for a long-term ecological study: birds, small mammals, amphibians, and reptiles. Fall Lecture Series, White Mountain Research Station, Bishop, Calif.

1986

Morrison, M. L., D. L. Dahlsten, S. M. Tait, and D. L. Rowney. Prey availability and the impact of birds on scale insects during winter. 104th Annual Meeting of the American Ornithologists' Union, Mississippi State Univ., Mississippi State.

1985

Morrison, M. L. Seasonal use of tree species by forest birds. Museum of Vertebrate Zoology (invited presentation), University of California, Berkeley.

Morrison, M. L., I. C. Timossi, K. A. With, and P. N. Manley. Use of tree species by forest birds during winter and summer. Fourth Joint Meeting of the Wilson Ornithological Society and the Cooper Ornithological Society, University of Colorado, Boulder.

Morrison, M. L. Seasonal variations in habitat use and foraging behavior by forest birds. Division of Wildlife and Fisheries, Univ. California, Davis (invited presentation for Proseminar Series).

1983

Morrison, M. L., and E. C. Meslow. Impacts of forest herbicides on wildlife: toxicity and habitat alteration. 48th North American Wildlife and Natural Resources Conference, Kansas City, Missouri.

Morrison, M. L., and J. W. Hardy. Hybridization between the Townsend's and Hermit warblers. 53rd Annual Meeting of the Cooper Ornithological Society, Albuquerque, N.M.

1982

Morrison, M. L. Effects of the herbicide glyphosate on avian community structure. Northwest Section of the Wildlife Society, Juneau, Alaska.

Morrison, M. L., R. W. Mannan, and G. L. Dorsey. Effects of number and placement of circular plots on estimates of avian density and diversity. Symposium on Estimating the Numbers of Terrestrial Birds, Asilomar, Calif.

1978

Morrison, M. L., E. Shanley, Jr., and R. D. Slack. Reproductive success and nesting ecology of the Olivaceous Cormorant in Texas. 48th Annual Meeting of the Cooper Ornithological Society, Arizona State Univ., Tempe.

Morrison, M. L., and L. F. Kiff. Post-DDT shorebird eggshell thickness in North America. 5th Annual Meeting of the Pacific Seabird Group, Asilomar, Calif.

1977

Morrison, M. L., and R. D. Slack. The Olivaceous Cormorant: Its distribution and population trends. Texas Academy of Sciences, Baylor Univ., Waco.

1976

Morrison, M. L., and R. D. Slack. Status of the Olivaceous Cormorant in Texas. Texas Cooperative Fish-eating Bird Conference, Texas Parks and Wildlife Dept., Austin.

#### PROFESSIONAL ORGANIZATIONS

The Wildlife Society (National; Southwest Section; Texas Chapter)  
Certified Wildlife Biologist

Ecological Society of America

Society for Range Management

Society for Ecological Restoration

Cooper Ornithological Society

American Ornithologists' Union

American Society of Mammalogists

Southwestern Association of Naturalists

#### ELECTIONS AND AWARDS

2009 The Wildlife Society, Texas Chapter, Outstanding Technical Publication award for "Wind energy development and wildlife conservation: challenges and opportunities" (Kuvlesky, Jr., W.P., L.A. Brennan, M.L. Morrison, K.K. Boydston, B.M. Ballard, and F.C. Bryant. *Journal of Wildlife Management* 71:2487-2498)

2007 Ecological Society of America, Sustainability Science Award, for co-authorship on the paper, "The ecology and evolutionary history of an emergent disease: Hantavirus Pulmonary Syndrome" (Yates, T.L., J.N. Mills, C.A. Parmenter, T.G. Ksiazek, R.R. Parmenter, J.R. Vande Castle, C.H. Calisher, S.T. Nichol, K.D. Abbott, J.C. Young, M.L. Morrison, B.J. Beaty, J.L. Dunnum, R.J. Baker, J. Salazar-Bravo, and C.J. Peters, 2002, *BioScience* 52:989-998).

Best State and Local Project, Natural Resources Council of America, Washington, DC, for *Impact of Wind Energy Facilities on Wildlife and Wildlife Habitat* (The Wildlife Society); 2008, co-author on publication.

Certificate of Appreciation, The Wildlife Society, service as Editor-in-Chief, *Journal of Wildlife Management*, 2005-2007.

Certificate of Appreciation, USDA Forest Service, participation in Resource Core Groups for Lake Tahoe Basin (Pathways 2007), 2003-2006 (award 2007)

Fellow, American Ornithologists' Union; elected 2005

President, Western Section, The Wildlife Society (2000-2001)

President-elect, Western Section, The Wildlife Society (1999-2000)

Scholarly Achievement Award, School of Renewable Natural Resources, Univ. of Arizona, Tucson (for "Wildlife-habitat Relationships", 1992) (1995)

Elected to Board of Directors, Cooper Ornithological Society (term 1991-1993)

Best Edited Book Award for 1986 (with Jared Verner and C. John Ralph), "Wildlife 2000: modeling habitat relationships of terrestrial vertebrates," Univ. of Wisconsin Press; The Wildlife Society.

Secretary, Cooper Ornithological Society, (1985-1989)

Elective Member, American Ornithologists' Union (selected by Elected Members and Fellows, 1984)

President, San Francisco Bay Area Chapter, The Wildlife Society (1984)

President-elect, San Francisco Bay Area Chapter, The Wildlife Society (1983)

#### **OTHER ACTIVITIES**

Faculty Participant, Ph.D. component of the Alfred P. Sloan Foundation Minority Ph.D. Program (2008 to date)

Member, Endangered Species Act (ESA) Credit System Working Group, State of Texas (2006-09)

Session Chair, 42<sup>nd</sup> Annual Meeting of the Texas Chapter of The Wildlife Society (2007)

Member, Resources Core Group, Pathways 2007, USDA Forest Service, Lake Tahoe Basin Management Unit, California (2004-2006)

Member, Strategic Planning Committee, The Wildlife Society (2006)

Member, Wind-energy Technical Review Committee, The Wildlife Society (2005-06)

Member, Wildlife Publication Awards Committee, The Wildlife Society (2004-06)

Chair, Program Committee, Annual Conference of The Wildlife Society, 2001 (Reno, NV)(2000-2001)

Member, San Clemente Loggerhead Shrike Recovery Team, appointed by US Fish and Wildlife Service, San Diego (1999 to 2001).



Co-leader, Greater Sandhill Crane Recovery Team, California Department of Fish and Game (1998 to 2001).

Member, Hawaiian Hawk ('Io) Recovery Team Working Group, appointed by US Fish and Wildlife Service, Hawaii (1997 to 2001).

Member, Sierra Nevada Willow Flycatcher Working Group, USDA Forest Service (1997 to date).

Member, Publications Awards Committee, The Wildlife Society, 1998.

Member, Scientific Program Committee, 1998 annual meeting, Western Section of The Wildlife Society, Sacramento, CA

Chair, committees on local arrangements and scientific program, Partners In Flight conference, Cowbird management in western landscapes, Sacramento, CA (23-25 Oct. 1997)  
Scientific Advisor, The Maya Project, The Peregrine Fund, Boise, Idaho (1995-1996)

Member, Financial Committee, Cooper Ornithological Society (1994 to 1996)

Co-chair, Committee on Local Arrangements, Annual Meeting of the Cooper Ornithological Society, Sacramento, CA (April 1993)

Member, Scientific Program Committee, 1st Annual Meeting of The Wildlife Society (1993-94)

Member, Oak woodland-rangeland advisory group, Calif. Dept. Forestry and Fire Protection (1991)

Member, Publications Committee, The Wildlife Society (1990 to 1992)

Member, Scientific Program Committee, and Chair, Symposium Committee, 1990 Joint American Ornithologists' Union-Cooper Ornithological Society Annual Meeting, Los Angeles, CA (27-30 June 1990)

Member, Snag Advisory Committee, Pacific Southwest Forest and Range Expt. Station, Fresno, Calif. (1989 to 1992)

Member, Conservation Committee, American Ornithologists' Union (1988 to 1993)

Chair, Scientific Program Committee, and Co-chair, Committee on Local Arrangements, 58th Annual Meeting of the Cooper Ornithological Society, Pacific Grove (Asilomar), CA (18-21 March 1988)

Member, Research Review Committee, Golden Gate Raptor Migration Observatory (sponsored by the Golden Gate National Park Assn. in cooperation with the National Park Service; 1987 to 1988)

Panel member, oak woodland-wildlife relationships, training session on hardwood-range management, U.C. Cooperative Extension, San Joaquin Experimental Range (21 May 1987)

Chair, Field Trip Committee, and Member, Program Committee, 56th Annual Meeting of the Cooper Ornithological Society, University of California, Davis (8-11 September 1986)

Member, Program Committee, 54th Annual Meeting of the Cooper Ornithological Society, Humboldt State University, Arcata, California (19-23 June 1984)

Session Chairman, 54th Annual Meeting of the Cooper Ornithological Society, Humboldt State University, Arcata, California (19-23 June 1984)

Member, California Interagency Wildlife Task Group (1983 to 1993); Chair, Model Validation Subcommittee (1986)

Publications Committee, Cooper Ornithological Society: Member, 1983 to 1989; Chair, 1983-85

Member, Steering Committee, Symposium--Wildlife 2000: modeling habitat relationships of terrestrial vertebrates. Lake Tahoe, California (1983-1984)

Session Chairman, 53rd Annual Meeting of the Cooper Ornithological Society, Albuquerque, NM (20-21 May 1983)