

APPENDIX A: CURRICULA VITAE

DRAFT

Robert A. Hamilton

President, Hamilton Biological, Inc.

Expertise

Endangered Species Surveys
General Biological Surveys
CEQA Analysis
Population Monitoring
Bird Banding
Vegetation Mapping
Open Space Planning
Natural Lands Management

Education

1988. Bachelor of Science degree
in Biological Sciences,
University of California,
Irvine

Professional Experience

1994 to Present. Independent
Biological Consultant,
Hamilton Biological, Inc.
1988 to 1994. Biologist, LSA
Associates, Inc.

Permits

Federal Permit No. TE-799557 to
survey for the Coastal
California Gnatcatcher and
Southwestern Willow
Flycatcher (expires 3/5/12)
Federal Bird Banding Subpermit
No. 20431 (expires 1/31/11)
Memorandum of
Understanding with the
California Dept. of Fish and
Game to use playback of
vocalizations to survey for the
San Diego Cactus Wren
(expires 12/31/11).
California Scientific Collecting
Permit No. SC-001107 (expires
11/5/11)

Robert A. Hamilton has been providing biological consulting services in southern California since 1988. He spent the formative years of his career at the firm of LSA Associates in Irvine, where he was a staff biologist and project manager. He has worked as a full-time independent consultant since 1994, incorporating the enterprise as Hamilton Biological, Inc., in 2009. His consultancy specializes in the practical application of environmental policies and regulations to land management and land use decisions in southern California.

A recognized authority on the status, distribution, and identification of birds in California, Mr. Hamilton is the lead author of two standard references describing aspects of the state's avifauna: *The Birds of Orange County: Status & Distribution* and *Rare Birds of California*. Mr. Hamilton has also conducted extensive studies in Baja California, and for seven years edited the Baja California Peninsula regional reports for the journal *North American Birds*. He served a ten-year tenure on the editorial board of *Western Birds* and regularly publishes in peer-reviewed journals. He is a founding member of the Coastal Cactus Wren Working Group and is presently updating the Cactus Wren species account for *The Birds of North America Online*. Mr. Hamilton's expertise includes floral identification and vegetation mapping. He served for a decade as Conservation Chair for the Orange County chapter of the California Native Plant Society and has a working knowledge of native plant restoration.

Mr. Hamilton conducts general and focused biological surveys of small and large properties as necessary to obtain various local, state, and federal permits, agreements, and clearances. He also conducts landscape-level surveys needed by land managers to monitor songbird populations. Mr. Hamilton holds the federal and state permits and MOU's listed to the left, and he is recognized by federal and state resource agencies as being highly qualified to survey for the Least Bell's Vireo. Mr. Hamilton also provides nest-monitoring services in compliance with the federal Migratory Bird Treaty Act and California Fish & Game Code Sections 3503, 3503.5 and 3513. He is an expert photographer and typically provides photo-documentation as part of his services.

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Board Memberships, Advisory Positions, Etc.

Coastal Cactus Wren Working
Group (2008–present)

American Birding Association:
Baja Calif. Peninsula
Regional Editor, *North
American Birds* (2000–2006)

Western Field Ornithologists:
Associate Editor of *Western
Birds* (1999–2008)

California Bird Records
Committee (1998–2001)

Nature Reserve of Orange
County: Technical Advisory
Committee (1996–2001)

California Native Plant Society,
Orange County Chapter:
Conservation Chair
(1992–2003)

Professional Affiliations

American Ornithologists' Union

Cooper Ornithological Society

Institute for Bird Populations

California Native Plant Society

Southern California Academy of
Sciences

Western Foundation of
Vertebrate Zoology

Insurance

\$2,000,000 general liability
policy (The Hartford)

\$1,000,000 auto liability policy
(State Farm)

Drawing upon a robust, multidisciplinary understanding of the natural history and ecology of his home region, Mr. Hamilton works with private and public land owners, as well as governmental agencies and interested third parties, to apply the local, state, and federal land use policies and regulations applicable to each particular situation. Mr. Hamilton has amassed extensive experience in the preparation and critical review of CEQA documents, from relatively simple Negative Declarations to complex supplemental and recirculated Environmental Impact Reports. In addition to his knowledge of CEQA and its Guidelines, Mr. Hamilton understands how each Lead Agency brings its own interpretive variations to the CEQA review process.

Representative Project Experience

From 2007 to present, have reviewed biological resources sections of CEQA documents submitted to the County of Los Angeles Department of Regional Planning. Work includes evaluating the accuracy and adequacy of consultants' biological reports, developing impact analyses and mitigation measures, and recommending findings of significance. Under the same contract, prepared a list of drought-tolerant native plants, hyperlinked to web-based information, for use in landscaping in Los Angeles County. The County later revised the list, with some loss of information, but the original list and accompanying map of seven planting zones in the county are available [here](#) and [here](#).

In 2009, under contract to the Palos Verdes Peninsula Land Conservancy, surveyed for the California Gnatcatcher and Cactus Wren across nine habitat reserves that constitute nearly all of the Portuguese Bend Natural Preserve in coastal Los Angeles County. The services provided included mapping and classifying all cactus scrub resources in the areas surveyed.

Under contract to the Conservation Biology Institute in San Diego County, conducted 2008 reconnaissance of those portions of the San Dieguito River Valley that were unburned or only partially burned during the massive Witch Fire, which consumed nearly 200,000 acres in October 2007. Three-pass surveys conducted at 14 sites between Lake Hodges and the San Pasqual Valley determined the presence or absence of Cactus Wrens and California Gnatcatchers. Work products included maps of all unburned and

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partially burned scrub communities, maps of weed infestations, and complete lists documenting the numbers of each vertebrate wildlife species detected during the surveys.

Other Relevant Experience

Field Ornithologist, San Diego Natural History Museum Scientific Collecting Expedition to Central and Southern Baja California, October/November 1997 and November 2003.

Field Ornithologist, Island Conservation and Ecology Group Expedition to the Tres Mariás Islands, Nayarit, Mexico, 23 January to 8 February 2002.

Field Ornithologist, Algalita Marine Research Foundation neustonic plastic research voyages in the Pacific Ocean, 15 August to 4 September 1999 and 14 to 28 July 2000.

Field Assistant, Bird Banding Study, Río Nambi Reserve, Colombia, January to March 1997.

Under contract to the City of Orange, prepared the Biological Resources section of a hybrid Supplemental EIR/Draft EIR for the 6,900-acre Santiago Hills II/East Orange Planned Community project in central Orange County. This complicated document covered one proposed development area that already had CEQA clearance, but that required updating for alterations to the previously approved plan, and a much larger area that had no previous approvals but that was covered under the Natural Communities Conservation Plan (NCCP) for central and coastal Orange County. The SEIR/EIR was certified in November 2005.

During the 1990s and 2000s, worked with study-design specialists and resource agency representatives to develop the long-term passerine bird monitoring program for the 37,000-acre Nature Reserve of Orange County, and directed its implementation from 1996 to 2001 with additional contract work since then. Tasks have included 1) annual monitoring of 40 California Gnatcatcher and Cactus Wren study sites, 2) oversight of up to 10 constant-effort bird banding stations from 1998 to 2003 under the Monitoring Avian Productivity and Survivorship (MAPS) program, and 3) focused surveys for the Cactus Wren, and detailed mapping of cactus scrub habitat, across the NROC's coastal reserve in 2006 and 2007.

References

Provided upon request.

Third-Party CEQA Review

Under contract to cities, conservation groups, homeowners' associations, and other interested parties, have reviewed EIRs and other project documentation for the following projects:

- ▶ The Ranch Plan (residential/commercial, County of Orange)
- ▶ Southern Orange County Transportation Infrastructure Improvement Project (Foothill South Toll Road, County of Orange)
- ▶ Gregory Canyon Landfill Restoration Plan (proposed mitigation, County of San Diego)

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- ▶ Montebello Hills Specific Plan EIR (residential, City of Montebello)
- ▶ Cabrillo Mobile Home Park Violations (illegal wetland filling, City of Huntington Beach)
- ▶ Newport Hyatt Regency (timeshare conversion project, City of Newport Beach)
- ▶ Lower San Diego Creek “Emergency Repair Project” (flood control, County of Orange)
- ▶ Tonner Hills (residential, City of Brea)
- ▶ The Bridges at Santa Fe Units 6 and 7 (residential, County of San Diego)
- ▶ Villages of La Costa Master Plan (residential/commercial, City of Carlsbad)
- ▶ Whispering Hills (residential, City of San Juan Capistrano)
- ▶ Santiago Hills II (residential/commercial, City of Orange)
- ▶ Rancho Potrero Leadership Academy (youth detention facility/road, County of Orange)
- ▶ Saddle Creek/Saddle Crest (residential, County of Orange)
- ▶ Frank G. Bonelli Regional County Park Master Plan (County of Los Angeles)

Contact Information

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Long Beach, CA 90803
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562-433-5292 fax
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<http://hamiltonbiological.com>

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Selected Presentations

- Hamilton, R. A. 2008. Cactus Wren Conservation Issues, Nature Reserve of Orange County. One-hour Powerpoint presentation for Sea & Sage Audubon Society, Irvine, California, 25 November 2008.
- Hamilton, R. A., Miller, W. B., Mitrovich, M. J. 2008. Cactus Wren Study, Nature Reserve of Orange County. Twenty-minute Powerpoint presentation given at the Nature Reserve of Orange County's Cactus Wren Symposium, Irvine, California, 30 April 2008.
- Hamilton, R. A. and K. Messer. 1999-2004 Results of Annual California Gnatcatcher and Cactus Wren Monitoring in the Nature Reserve of Orange County. Twenty-minute Powerpoint presentation given at the Partners In Flight meeting: Conservation and Management of Coastal Scrub and Chaparral Birds and Habitats, Starr Ranch Audubon Sanctuary, 21 August 2004; and at the Nature Reserve of Orange County 10th Anniversary Symposium, Irvine, California, 21 November 2006.
- Hamilton, R.A. Preliminary results of reserve-wide monitoring of California Gnatcatchers in the Nature Reserve of Orange County. Twenty-minute Powerpoint presentation given at the Southern California Academy of Sciences annual meeting at California State University, Los Angeles, 5 May 2001.

Publications

- [Hamilton, R. A. 2008. Cactus Wrens in central & coastal Orange County: How will a worst-case scenario play out under the NCCP? *Western Tanager* 75:2-7.](#)
- [Erickson, R. A., R. A. Hamilton, R. Carmona, G. Ruiz-Campos, and Z. A. Henderson. 2008. Value of perennial archiving of data received through the North American Birds regional reporting system: Examples from the Baja California Peninsula. *North American Birds* 62:2-9.](#)
- [Erickson, R. A., R. A. Hamilton, and S. G. Mlodinow. 2008. Status review of Belding's Yellowthroat *Geothlypis beldingi*, and implications for its conservation. *Bird Conservation International* 18:219-228.](#)
- [Hamilton, R. A. 2008. Fulvous Whistling-Duck \(*Dendrocygna bicolor*\). Pp. 68-73 in Shuford, W. D. and T. Gardali, eds. 2008. *California Bird Species of Special Concern: A ranked assessment of species, subspecies, and distinct populations of birds of immediate conservation concern in California*. *Studies of Western Birds* 1. Western Field Ornithologists, Camarillo, CA, and California Department of Fish and Game, Sacramento, CA.](#)

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[California Bird Records Committee \(R. A. Hamilton, M. A. Patten, and R. A. Erickson, editors.\). 2007. Rare Birds of California. Western Field Ornithologists, Camarillo, CA.](#)

Hamilton, R. A., R. A. Erickson, E. Palacios, and R. Carmona. 2001–2007. *North American Birds* quarterly reports for the Baja California Peninsula Region, Fall 2000 through Winter 2006/2007.

[Hamilton, R. A. and P. A. Gaede. 2005. Pink-sided × Gray-headed Juncos. *Western Birds* 36:150–152.](#)

[Mlodinow, S. G. and R. A. Hamilton. 2005. Vagrancy of Painted Bunting \(*Passerina ciris*\) in the United States, Canada, and Bermuda. *North American Birds* 59:172–183.](#)

Erickson, R. A., R. A. Hamilton, S. González-Guzmán, G. Ruiz-Campos. 2002. Primeros registros de anidación del Pato Friso (*Anas strepera*) en México. *Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Serie Zoología* 73(1): 67–71.

[Hamilton, R. A. and J. L. Dunn. 2002. Red-naped and Red-breasted sapsuckers. *Western Birds* 33:128–130.](#)

[Hamilton, R. A. and S. N. G. Howell. 2002. Gnatcatcher sympatry near San Felipe, Baja California, with notes on other species. *Western Birds* 33:123–124.](#)

[Hamilton, R. A. 2001. Book review: *The Sibley Guide to Birds*. *Western Birds* 32:95–96.](#)

Hamilton, R. A. and R. A. Erickson. 2001. Noteworthy breeding bird records from the Vizcaíno Desert, Baja California Peninsula. Pp. 102–105 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

Hamilton, R. A. 2001. Log of bird record documentation from the Baja California Peninsula archived at the San Diego Natural History Museum. Pp. 242–253 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

Hamilton, R. A. 2001. Records of caged birds in Baja California. Pp. 254–257 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

Erickson, R. A., R. A. Hamilton, and S. N. G. Howell. 2001. New information on migrant birds in northern and central portions of the Baja California Peninsula, including species new to Mexico. Pp. 112–170 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

Howell, S. N. G., R. A. Erickson, R. A. Hamilton, and M. A. Patten. 2001. An annotated checklist of the birds of Baja California and Baja California Sur. Pp. 171–203 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

Ruiz-Campos, G., González-Guzmán, S., Erickson, R. A., and Hamilton, R. A. 2001. Notable bird specimen records from the Baja California Peninsula. Pp. 238–241 in *Monographs in Field Ornithology* No. 3. American Birding Association, Colorado Springs, CO.

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Wurster, T. E., R. A. Erickson, R. A. Hamilton, and S. N. G. Howell. 2001. Database of selected observations: an augment to new information on migrant birds in northern and central portions of the Baja California Peninsula. Pp. 204–237 *in* Monographs in Field Ornithology No. 3. American Birding Association, Colorado Springs, CO.

[Erickson, R. A. and R. A. Hamilton, 2001. Report of the California Bird Records Committee: 1998 records. *Western Birds* 32:13–49.](#)

[Hamilton, R. A., J. E. Pike, T. E. Wurster, and K. Rademaker. 2000. First record of an Olive-backed Pipit in Mexico. *Western Birds* 31:117–119.](#)

[Hamilton, R. A. and N. J. Schmitt. 2000. Identification of Taiga and Black Merlins. *Western Birds* 31:65–67.](#)

[Hamilton, R. A. 1998. Book review: Atlas of Breeding Birds, Orange County, California. *Western Birds* 29:129–130.](#)

[Hamilton, R. A. and D. R. Willick. 1996. The Birds of Orange County, California: Status and Distribution. Sea & Sage Press, Sea & Sage Audubon Society, Irvine.](#)

Hamilton, R. A. 1996–98. Photo Quizzes. *Birding* 27(4):298-301, 28(1):46-50, 28(4):309-313, 29(1):59-64, 30(1):55–59.

Erickson, R. A., and Hamilton, R. A. 1995. Geographic distribution: *Lampropeltis getula californiae* (California Kingsnake) in Baja California Sur. *Herpetological Review* 26(4):210.

[Bontrager, D. R., R. A. Erickson, and R. A. Hamilton. 1995. Impacts of the October 1993 Laguna fire on California Gnatcatchers and Cactus Wrens. *in* J. E. Keeley and T. A. Scott \(editors\). Wildfires in California Brushlands: Ecology and Resource Management. International Association of Wildland Fire, Fairfield, Washington.](#)

[Erickson, R. A., R. A. Hamilton, S. N. G. Howell, M. A. Patten, and P. Pyle. 1995. First record of Marbled Murrelet and third record of Ancient Murrelet for Mexico. *Western Birds* 26:39–45.](#)

Erickson, R. A., and R. A. Hamilton. 1993. Additional summer bird records for southern Mexico. *Euphonia* 2(4): 81–91.

Erickson, R. A., A. D. Barron, and R. A. Hamilton. 1992. A recent Black Rail record for Baja California. *Euphonia* 1(1): 19–21.

Daniel S. Cooper

President, Cooper Ecological Monitoring, Inc.

Areas of Expertise

- Project Management
- Environmental Compliance (CEQA/NEPA) and Monitoring
- Bird and Wildlife Surveys
- Biological Assessments
- Protocol Surveys for the California Gnatcatcher and other special-status bird species

Years of Experience

CEM, Inc.: 4 years

Audubon California: 5 years

Education

MSc. (Biogeography)/1999/UC
Riverside

BA/1995/Harvard University

Certification

U.S. Fish and Wildlife Permit No. TE-100008-0 (California Gnatcatcher).

USGS Master Station Banding Permit (#23049) (2001-2004)

CDFG Scientific Collecting Permit (in review)

Overview

Daniel S. Cooper is an authority on California bird ecology, identification and distribution, and has a strong background in southern California ecology and natural history. Specific areas of expertise include the Ballona Wetlands, eastern Santa Monica Mountains, Santa Clara River, Puente-Chino Hills, and remnant habitat patches on the floor of the Los Angeles Basin. Mr. Cooper has designed and managed numerous field-based research projects and assessments for a wide variety of clients, including public agencies and municipalities, large consulting firms, private landowners, and nonprofit environmental organizations. He is the author of Important Bird Areas of California (Audubon California 2004), and he continues to publish in peer-reviewed journals.

Mr. Cooper is permitted by the U.S. Fish and Wildlife Service to perform protocol surveys for the federally-threatened California gnatcatcher, and brings more than ten years of professional experience surveying for and observing special-status species throughout California. Mr. Cooper has held a Master Station Bird Banding permit from the U.S. Geological Survey, and has completed the requirements for a scientific collecting permit for the California Dept. of Fish and Game (anticipated summer 2009). Since the mid-1990s, Mr. Cooper has also conducted original research on bird distribution in Central and northern South America, primarily for private landowners.

Project Management Experience

Griffith Park Natural History Survey and Postfire Bio-monitoring.

Researched and co-authored Griffith Park Wildlife Management Plan. Supervised development of website (www.griffithparkwildlife.org; with Cartifact, Inc.). Designed and carried out first-ever study of wildlife of Griffith Park, focusing on the 2007 burn area, including breeding/wintering birds, reptiles/amphibians, and bats with two subcontractors. Coordinated survey effort of reptiles/amphibians with USGS San Diego Field Station (Dr. Robert Fisher). Wildlife Management Plan submitted to City of Los Angeles, Dept. of Recreation and Parks on January 22, 2009; other technical reports submitted include those on bats (February 20, 2009) and birds (March 2, 2009).

Coastal Cactus Wren Survey, Los Angeles County. Organized and supervise a team of more than 20 volunteers for The Nature Conservancy (ongoing), the first-ever effort to document the actual range of this bird in the County.

Puente Hills Landfill Native Habitat Preservation Authority, Whittier, CA. As the staff ecologist, I managed \$2M of restoration contracts in coastal sage scrub, oak/walnut woodland, and riparian habitats in western Puente Hills. I also developed and reviewed plant palettes and restoration design, and oversaw bio-monitoring of restoration sites (2007-08).

Audubon Christmas Bird Count. Organizer and compiler for two Los Angeles-area Christmas Counts: Los Angeles (since 2008) and Santa Clarita (since 2003). These are annual events that involve coordinating assignments and processing data sheets for 50+ volunteers, part of a worldwide effort to census birds each winter.

CoffeeReserve Program. Developed in 2006 with California-based coffee importer Rogers Family Co., this program has organized bird and wildlife surveys on supplier-farms in Chiapas, Mexico and Nicaragua, developed species lists and hiking maps for several properties, and pilot-testing an ecotourism internship program at a lodge/farm complex in northern Nicaragua in 2008.

Kingston Wildlife Research Station, Kingston, RI. Managed bird-banding station for Univ. of Rhode Island; other responsibilities included training volunteers, writing grants (obtained \$10,000 for habitat management), bird/amphibian surveys of local natural areas (2005-06).

California Important Bird Area Project. From 2001-2004, researched, wrote and published the Important Bird Areas of California (Audubon California 2004), a compendium of 150 sites considered most critical for bird conservation in the state. This project involved convening a team of dozens of advisors and local experts from around the state, numerous site visits, and working with photographers, a layout designer, printer, and distribution company. This book now forms a cornerstone of Audubon's conservation work in California.

CEQA/NEPA Compliance

Marina del Rey Dredging and Sand-Separation Project, Los Angeles, CA. Designed survey protocol and carried out surveys and construction monitoring for wintering population of federally-threatened western snowy plover at Dockweiler State Beach. Attend weekly construction meetings with US Army Corps of Engineering and County of Los Angeles staff and contractors (ongoing).

Vista Canyon Ranch, Santa Clarita, CA. Conducted field visits, provided consultation on special-status plant and wildlife species as part of preparation of biological assessment of large parcel along the Santa Clara River (with Forde Biological Consultants and The River Project). Attend design meetings with developer, architect and consultants (ongoing).

Landmark Village, Newhall Ranch, Santa Clarita, CA. Provided analysis of and re-wrote special-status species accounts in Biological Resources section of EIR for large residential and commercial development along Santa Clara River for Audubon California (2007) and Pacific Coast Conservation Alliance (2008).

Broad Beach, Malibu, CA. Conducted field visits and helped prepare the Biological Assessment (with Robert A. Hamilton) for Malibu Bay Company development at Broad Beach. Analyzed impacts to potential ESHA (Environmentally Sensitive Habitat Area) at site (2008).

San Gabriel River Discovery Center, South El Monte, CA. Conducted bird surveys and habitat assessment and provided mitigation recommendations for proposed nature center and office/conference facility

in the Whittier Narrows Recreation Area. Final reports submitted to the Los Angeles and San Gabriel Rivers and Mountains Conservancy November 7, 2008.

Faunal/Floral Surveys (clients listed in parentheses)

Bird surveys and analysis, incl. mist-netting, point-counts, spot-mapping, and/or walking transects:

- Playa Vista Riparian Corridor, Los Angeles, CA (ongoing, for E Read Consulting, Inc.)
- Ballona Wetlands Ecological Reserve, Playa del Rey, CA (ongoing; Friends of Ballona Wetlands)
- Ballona Freshwater Marsh, Los Angeles, CA (Center for Natural Lands Management)
- Ballona Outdoor Learning and Discovery site, Playa del Rey, CA (Ballona Wetlands Foundation)
- Malibu Lagoon, Malibu, CA (Resource Conservation District of the Santa Monica Mountains)
- Nicholas Creek mouth, Malibu, CA (Wishtoyo Foundation)

Miscellaneous bird surveys:

- Kern River Preserve, Weldon, CA (incl. MAPS Station; Kern River Research Center)
- Audubon Center in Debs Park, Los Angeles (incl. MAPS Station; Audubon California)
- Western Riverside Co. (UCR/Western Riverside County Multi-Species Habitat Conservation Plan; Dartmouth College)
- Audubon Sanctuaries in Central MA (Massachusetts Audubon Society)
- Kingston Wildlife Research Station, Kingston, RI (Univ. of Rhode Island)
- Angelus Oaks Transect, San Bernardino Mountains, CA (USGS Breeding Bird Survey)
- Pasoh Forest Reserve, Malayisa (Univ. of Malaysia)
- Chequamagon National Forest, Wisconsin (Univ. of Missouri)
- Private forest reserves in Guatemala, Costa Rica, Panama and Venezuela (various owners)

Biological assessments (multi-taxa):

- Cahuenga Peak, Los Angeles, CA (ongoing; The Trust for Public Land)
- Sanford-Avalon Community Garden, Watts, CA. Conduct (ongoing; Los Angeles Community Garden Council)
- Open space parcels in Northeastern Los Angeles, CA (Mountains Recreation and Conservation Authority)
- Mission Creek, South El Monte, CA (Los Angeles Conservation Corps)
- Elephant Hill, Montecito Heights (Los Angeles), CA (Committee to Save Elephant Hill)

Experience with Special-status Species

- Coastal California gnatcatcher *Polioptila californica californica*
More than 50 hours of experience conducting protocol surveys for this species in Los Angeles and Riverside counties; Discovered previously-unknown populations in western Puente Hills and northern Chino Hills (both Los Angeles Co.).
- Western snowy plover *Charadrius alexandrinus nivosus*
Surveyed for and monitored this species at Dockweiler State Beach, Los Angeles; volunteer for a countywide survey in Los Angeles County (Surfrider Foundation, Pacific Coast Conservation Alliance)
- Western burrowing owl *Athene cunicularia hypugaea*
Volunteered (Antelope Valley, Los Angeles Co., CA) on a statewide breeding population census for Institute for Bird Populations.
- Mountain plover *Charadrius montanus*
- Long-billed curlew *Numenius americanus*
Volunteered in surveys for both grassland species in agricultural fields in the Imperial Valley, CA, with researchers from the Los Angeles Co. Museum of Natural History.
- Coastal cactus wren *Campylorhynchus brunneicapillus sandiegensis*
Organizing Los Angeles County portion of region-wide survey for The Nature Conservancy.
- Least Bell's Vireo *Vireo bellii pusillus*
Assessed potential breeding habitat at several sites in Los Angeles and Riverside counties.
- Belding's savannah sparrow *Passerculus sandwichensis beldingi*
Surveyed for this and other coastal wetland species at Ballona Freshwater Marsh and adjacent Ballona Wetlands.

Survey experience with the following additional special-status species:

BIRDS

- Brant *Branta bernicla*
- Cackling Canada goose *B. hutchinsii leucopareia*
- Ruffed grouse *Bonasa umbellus*
- California brown pelican *Pelecanus occidentalis californicus*
- Double-crested cormorant *Phalacrocorax auritus*
- Great egret *Ardea alba*
- Great blue heron *Ardea herodias*
- American bittern *Botaurus lentiginosus*
- Snowy egret *Egretta thula*
- Least bittern *Ixobrychus exilis*
- Black-crowned night-heron *Nycticorax nycticorax*
- Cooper's hawk *Accipiter cooperii*
- White-tailed kite *Elanus leucurus*
- Merlin *Falco columbarius*
- Peregrine falcon *F. peregrinus*
- Western yellow-billed cuckoo *Coccyzus americanus occidentalis*
- Southwestern willow flycatcher *Empidonax traillii eximius*
- Brown-crested flycatcher *Myiarchus tyrannulus*
- Loggerhead shrike *Lanius ludovicianus* (incl. *mearnsi*)
- Least bell's vireo *Vireo bellii pusillus*
- California horned lark *Eremophila alpestris actia*
- Yellow warbler *Dendroica petechia*
- Yellow-breasted chat *Icteria virens*
- Southern California rufous-crowned sparrow *Aimophila ruficeps canescens*

Grasshopper sparrow *Ammodramus savannarum*
Bell's sage sparrow *Amphispiza belli belli*
Black-chinned sparrow *Spizella atrogularis*
Summer tanager *Piranga rubra*
Kern red-winged blackbird *Agelaius phoeniceus aciculatus*
Tricolored blackbird *Agelaius tricolor*
Yellow-headed blackbird *Xanthocephalus xanthocephalus*

OTHER WILDLIFE

Coast horned lizard *Phrynosoma coronatum*
Orange-throated whiptail *Aspidoscelis hyperythra*
Coastal western whiptail *Aspidoscelis tigris stejnegeri*
Ringneck snake *Diadophis punctatus*
Northern red-diamond rattlesnake *Crotalus ruber ruber*
San Diego black-tailed jackrabbit *Lepus californicus bennettii*

PLANTS

Southern California black walnut *Juglans californicus*
Hubby's Phacelia *Phacelia cicutaria* var. *hubbyi*
Catalina mariposa-lily *Calochortus catalinae*
Slender mariposa-lily *Calochortus clavatus*
Plummer's mariposa-lily *Calochortus plummerae*
Humboldt lily *Lilium humboldti*

Expert Witness/Declaration

Expert witness deposition regarding the ecological function of eucalyptus trees in the Malibu/Santa Monica Mountains area, Sidley vs. Thurman (settled out-of-court Oct. 2008).

Declaration in support of plaintiffs' motion for summary judgment in NEPA case involving stream-filling, Wishtoyo Foundation/Ventura Coastkeeper et al. vs. Francis J. Harvey, Secretary of the Army et al. and Pardee Homes. U.S. District Court, Central Coast of California (Nov. 2007).

Teaching

University of California, Los Angeles. *Instructor, UCLA Extension School.* Developed courses on conservation biology and bird monitoring, 2001 - 2003.

University of California, Riverside. *Graduate Teaching Assistant.* Geomorphology, Natural Disasters, and Astronomy, 1998-1999.

Boards/Committees

Griffith Park Postfire Recovery Team. Wildlife Team Leader, 2007-2008
California Department of Water Resources. Salton Sea Restoration
Advisory Committee, 2003-2005

California Partners-in-Flight. Executive Steering Committee, 2003-2005
Los Angeles and San Gabriel Rivers and Mountains Conservancy. Tech.
Advisory Board, 2002- 2005

Central Valley Habitat Joint Venture. Executive Steering Committee,
2001-2003

Friends of the Los Angeles River. Technical Advisory Board, 1989-2001

Professional Societies/Affiliations

Western Field Ornithologists
Neotropical Bird Club
Southern California Academy of Sciences
Southern California Botanists

Awards

Semifinalist honor, Interactive Media. International Science & Engineering Visualization Challenge (National Science Foundation/*Science*), for the website "Griffith Park Wildlife Management Plan", online at: www.griffithparkwildlife.org 2008.

Certificate of Appreciation, "In recognition of outstanding citizenship and activities enhancing community betterment" (City of Los Angeles), for service to the Griffith Park Postfire Recovery Team, 2008.

Audubon "ACE" Award, Debs Park Audubon Center planning team (National Audubon Society), 2001.

Education Project Award - University of California, Riverside (American Planning Association, Inland Empire Section), for the website "Understanding the Plants and Animals of the Western Riverside County Multiple Species Habitat Conservation Plan", online at www.ecoregion.ucr.edu, 2001.

Winner, Great Texas Birding Classic ("Team Wildbird", sponsored by Wildbird magazine), 1999.

Chronology

1995 - 1996 Research Associate, Kern River Research Center
1997 - 1999 Graduate Research Associate, Univ. of California, Riverside
1999 - 2001 Biologist, National Audubon Society
2001 - 2005 Dir. of Bird Conservation (California), National Audubon Soc.
2005 - 2006 Manager, Kingston Wildlife Research Station
2005 - President, Cooper Ecological Monitoring, Inc.

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Publications

Books

Cooper, D.S. 2004. Important Bird Areas of California. Audubon California, Pasadena. 286 pp.

Book sections

Cooper, D.S. 2007. "Playa del Rey/Ballona Freshwater Marsh", p. 336, *In: A Birder's Guide to Southern California*, Schram, B., American Birding Association, Colorado Springs, CO.

----- 2005. "Ernest E. Debs Regional Park & Audubon Center", pp. 16-17, *In: Birding Guide to the Greater Pasadena Area*, Pasadena Audubon Soc., Pasadena, CA.

Peer-reviewed papers

Mathewson, P., S. Spehar and D.S. Cooper. 2008. A preliminary large mammal survey of Griffith Park, Los Angeles, California. *Bull. So. Calif. Acad. Sci.* 107:57-67.

Cooper, D.S. 2008. The use of historical data in the restoration of the avifauna of the Ballona Wetlands, Los Angeles County, California. *Natural Areas Journal* 28:83-90.

----- 2006. Annotated checklist of extirpated, reestablished, and newly-colonized avian taxa of the Ballona Valley, Los Angeles County, California. *Bull. So. Calif. Acad. Sci.* 105:91-112.

----- 2006. Shorebird use of a novel habitat: the lower Los Angeles River channel. *Western Birds* 37:1-6.

Cooper, D.S., R. Carmona, and R.A. Erickson. 2004. State of the Region: Baja California Peninsula. *North American Birds* 58:605-606.

Cooper, D.S. 2003. New distributional and ecological information on birds in southwestern Guatemala. *Cotinga* 19:61-64.

----- 2002. Geographical associations of breeding bird distribution in an urban open space. *Biological Conservation* 104:205-210.

----- 2000. Breeding landbirds of a highly-threatened open space: The Puente-Chino Hills, California. *Western Birds* 31:213-234.

----- 1999. Notes on the birds of Isla Popa, western Bocas del Toro, Panama. *Cotinga* 11:23-26.

Cooper, D.S. and C.M. Francis. 1998. Nest predation in a lowland Malaysian rainforest. *Biological Conservation* 85:199-202.

Cooper, D.S. 1998. Birds of the Rio Negro Jaguar Preserve, Colonia Libertad, Costa Rica. *Cotinga* 8:17-22.

Rowe, S.P. and D.S. Cooper. 1997. Confirmed nesting of Lazuli Bunting with Indigo Bunting in Kern County, California. *Western Birds* 28:225-227.

Cooper, D.S. and D. Perlman. 1997. Conservation of biodiversity on California military bases: Implications of base closures. *Fremontia* 25:3-8.

Book reviews

Cooper, D.S. 2004. Review of *Birds of the Salton Sea: Status, biogeography and ecology*, by M.A. Patten, G.M. McCaskie and P. Unitt. University of California Press. *Western Birds* 35:114-117.

Professional reports

Ballona Wetlands

Cooper, D.S. 2008. Quarterly bird survey, Fall 2008. Playa Vista Riparian Corridor, Los Angeles, California. Prepared for E Read and Associates, Orange, California, Oct. 27, 2008.

----- 2008 Breeding bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for E Read and Associates, Orange, California, July 2, 2008.

- 2008. 2007-08 Winter bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for E Read and Associates, Orange, California, Jan. 12, 2007.
- 2007. 2007 Fall bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for E Read and Associates, Orange, California, Oct. 8, 2007.
- 2007. 2007 Breeding bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, July 13, 2007.
- 2007. Chapter 6: Birds of the BOLD Project Site. In: J.H. Dorsey and S. Bergquist (Eds.), "A baseline survey of the Ballona Outdoor Learning & Discovery (BOLD) Area, Ballona Wetlands, Los Angeles County, California". Report submitted to The California Coastal Conservancy and Santa Monica Bay Restoration Commission by the Ballona Wetlands Foundation, April, 2007.
- 2007. 2006-07 Winter bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Jan. 20, 2007.
- 2006. 2006 Fall bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Oct. 23, 2006.
- 2006. 2006 Breeding bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, July 14, 2006.
- 2006. 2005-06 Winter bird survey. Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Jan. 7, 2006.
- 2005. 2005 Fall bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Nov. 8, 2005.
- 2005. 2005 Breeding bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, July 11, 2005.
- 2005. 2004-05 Winter bird survey. Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Feb. 8, 2005.
- 2005. Checklist of birds of Ballona Valley, Los Angeles County, California (Online). Available: http://www.cooperecological.com/ballona_field_checklist_v.htm.
- 2004. 2004 Fall bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, Nov. 2, 2004.
- 2004. 2004 Breeding bird survey, Ballona Freshwater Marsh at Playa Vista, Playa del Rey, California. Prepared for the Center for Natural Lands Management, Fallbrook, California, July 25, 2004.
- 2004. Ballona Wetlands Training Manual, Audubon Ballona Wetlands Program. 54 pp.

Misc. Los Angeles area

- Cooper, D.S. 2008. Ecological assessment of open space remnants in northeastern Los Angeles. Prepared for Mountains Recreation and Conservation Authority (MRCA), Los Angeles, Calif. Nov. 15, 2008.
- 2008. Summer bird survey for San Gabriel River Discovery Center. Prepared for Los Angeles and San Gabriel Rivers and Mountains Conservancy (RMC), Azusa, Calif. Nov. 7, 2008.
- 2008. Habitat Assessment for Whittier Narrows Natural Area (eastern portion). Prepared for Los Angeles and San Gabriel Rivers and Mountains Conservancy (RMC), Azusa, Calif. Nov. 7, 2008.
- 2008. Biota report for La Habra Heights reservoir relocation project, La Habra Heights, Los Angeles Co., California. Prepared for Civiltec Engineering, Inc., Monrovia, California. Oct. 3, 2008.
- Forde, A.M. and E. Read, with D.S. Cooper, D. Crawford, I.P. Swift and R. Francis, Jr. 2008. Biological Assessment, Vista Canyon Ranch, Los Angeles Co., California. Prepared for Vista Canyon Ranch, LLC (Valencia, Calif.) and The River Project (Studio City, Calif.), August 27, 2008.

- Cooper, D.S. 2008. Protocol survey for California Gnatcatcher *Poliioptila californica* at "Terraces at Hidden Hills" in Calabasas, Los Angeles County, California. Prepared for Impact Sciences, Camarillo, California. June 12, 2008.
- 2008. Protocol survey for California Gnatcatcher *Poliioptila californica* at "KRLA site" near Walnut/Covina, Los Angeles County, California. Prepared for Impact Sciences, Camarillo, California. June 12, 2008.
- 2008. Initial Biological Assessment: Mission Creek. Prepared for Los Angeles Conservation Corps. March 31, 2008.
- Hamilton, R.A., D.S. Cooper, W.R. Ferren and C.P. Sandoval. 2008. Biological Resources Assessment, 30732 Pacific Coast Hwy., Malibu, California. Prepared for Malibu Bay Company, Feb. 19, 2008.
- Cooper, D.S. 2007. Protocol survey for California Gnatcatcher *Poliioptila californica* at Hidden Hills Golf Club, Norco (Riverside County, California), Spring 2007. Prepared for Impact Sciences, Camarillo, California. July 19, 2007.
- 2007. Protocol survey for California Gnatcatcher *Poliioptila californica* at the "pit", a former quarry site adjacent to Claremont College (Los Angeles/San Bernardino counties), Spring 2007. Prepared for Impact Sciences, Camarillo, California. June 22, 2007.
- 2006. Birds of Malibu Lagoon: Final Report, 2006. Prepared for the Resource Conservation District of the Santa Monica Mountains, Topanga, California, August 8, 2006.
- 2005. Breeding bird survey, Nicholas Creek mouth, Malibu, California. Prepared for the Wishtoyo Foundation, Oxnard, California, June 10, 2005.
- 2005. Debs Park Teacher-Naturalist Training Manual, Audubon Center at Debs Park, 45 pp.
- 2004. Rapid Biological Assessment of Elephant Hill (Los Angeles/South Pasadena, CA). May 25, 2004.
- 1999. Debs Park Habitat Management Plan. Audubon Center at Debs Park, 24 pp.
- Scott, T.A. and D.S. Cooper. 1999. Summary of avian resources of the Puente-Chino Hills Corridor. January, 1999. Available (Online): <http://www.hillsforeveryone.org/>
- Cooper, D.S., C. D'Agosta, K. Garrett, L. Dwyer-Hade, V. Jigour, A. Thomas, K. Bullard, S. Manion, T. Alsobrook, M. Campbell, A. Dove. 1998. Environmental review of vegetation removal in Los Angeles County rivers and streams. Mountains Recreation and Conservation Authority/EPA Region IX, San Francisco.

Latin America

- Cooper, D.S. 2007. Ecological assessment of five coffee farms in north-central Nicaragua. Prepared for Rogers Family Companies, Apr. 28, 2007.
- 2006. Ecological assessment of seven coffee farms in the Soconusco region of Chiapas, Mexico. Prepared for Rogers Family Companies, Dec. 1, 2006.

Popular articles

- Los Angeles County Sensitive Bird Species Working Group (incl. Daniel S. Cooper). 2008. Los Angeles County's Sensitive Bird Species. *Western Tanager* (newsletter of Los Angeles Audubon Society) 75:E1-E11.
- Cooper, D.S. 2007. Wildlife response to the Griffith Park fire. *Water Wise* (newsletter of the Los Angeles and San Gabriel Rivers Watershed Council) 11(1):10-11. Fall 2007.
- 2005. A duck club in L.A.?: The near-death and slow recovery of the Ballona Wetlands. *California Waterfowl*. June/July 2005.
- 2005. Birding the Ballona Wetlands. *Winging It* (newsletter of American Birding Association). 17(2):1-4.
- 2000. Rediscovering the lower Arroyo Seco. *Western Tanager* 67:1-3.
- 2000. ("Off the beaten path") The Huntington Library. *Western Tanager* 66:6-7.
- 1999. From the front lines: a birding tour leader offers his perspective. *Wildbird*. October, 1999.

Conference Presentations

- Cooper, D.S. Cactus Wrens of the Puente-Chino Hills: 1998 - 2008 (presentation). *Coastal Cactus Wren Symposium*. April 1, 2008. Irvine Ranch Water District, Irvine, CA.
- Rethinking "Shade-grown" (presentation, in Spanish). *Annual meeting of Rogers Family Company coffee suppliers* (c. 50 growers from throughout Latin America). August 2, 2007. Selva Negra Lodge, Matagalpa, Nicaragua.
- Wildlife of Griffith Park (presentation). *Los Angeles and San Gabriel Rivers Watershed Council Symposium*. June 20, 2007. The Autry National Center in Griffith Park, Los Angeles, CA.
- Avian extirpation and colonization at the Ballona Wetlands, Los Angeles County, California (presentation). *Southern California Academy of Sciences Annual Meeting*, May 20-21, 2005, Loyola Marymount University, Los Angeles, CA.
- Important Bird Areas of California (presentation). *California All-Bird Conservation Workshop*. November 15-16, 2004, Sacramento, CA.
- Cooper, D.S. and E. Galicia (co-moderators). Community participation, birding trails and birding festivals – tools for IBA outreach and implementation. *Important Bird Areas Conference*, August 14, 2004. Sierra Vista, AZ.
- Cooper, D.S. An exploration of the importance of the Salton Sea and associated ecosystems to birds (presentation). *California Water Dialogue*, Sept. 16, 2003. San Diego, CA.
- Fall migration of shorebirds along the lower Los Angeles River (poster). *27th Annual Meeting of the Western Field Ornithologists*. October 10-13, 2002. Irvine, CA.
- The use of riparian bird species as indicators of restoration success in the Los Angeles area (presentation). *Southern California Academy of Sciences Annual Meeting*, May 19-20, 2000, University of Southern California, Los Angeles, CA.
- Cooper, D. and T. Scott. Patterns of breeding bird distribution in a large urban open space reserve (presentation). *4th International Urban Wildlife Conservation Symposium*. May 1-5, 1999. University of Arizona. Tucson, AZ.
- Wehtje, W. and D.S. Cooper. Range expansion in the Great-tailed Grackle (poster). *North American Ornithological Conference*. April 6-12, 1998. St. Louis, MO.
- Cooper, D.S. Southern California's camouflaged national parks: military reservations (presentation). *Nature's Workshop: Environmental Change in 20th Century Southern California*. Sept. 18-20, 1997. California State University, Northridge, CA.