

- Daniel Edelstein –**
- 1) Avian Biologist/Raptor Specialist**
 - 2) Certified Wildlife Biologist (associate)**
(field surveys, regulatory/permitting services)
 - 3) Community College Birding/Wildlife Instructor**
 - 4) Birding Guide**

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www.warblerwatch.com

<http://warblerwatch.blogspot.com> (blog focused on wood-warblers since 2008)

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HIGHLIGHTS:

1) Conduct wildlife surveys for common and special-status bird, mammal, reptile, and amphibian species, often utilizing my five permits (see below) that are valid through 2018.

2) Performed energy-related raptor and songbird monitoring surveys since 2009 (e.g., solar arrays; wind-power projects; water pipelines) for proposed and existing infrastructure projects in California and out of state. (See more details below in section titled “25+ Years Experience”.)

3) Complementary background in writing regulatory compliance reports and utilizing my 16 years of regulatory/permitting knowledge to help clients obtain permits from local, state, and federal agencies.

4) All projects require research, writing, and submittal of comprehensive technical reports that feature narrative chapters, figures/maps, photos, tables/charts (via database searches), and other information. (Examples among dozens: a) pre-construction/pre-logging bird and nest-finding surveys; and b) Initial Study development/submittal and “Biological Resources” chapter writing in Environmental Impact Reports (EIR) and Env. Impact Statements (EIS).

5) College instructor for periodic birding/wildlife classes at Merritt College since 2003; also offer periodic, on-call college classes at Diablo Valley College in San Ramon, CA (and, in the past, taught at Montgomery Community College in Gaithersburg, MD): raptor identification class; bird song ecology/birding by ear techniques class; waterbird identification class; environmental science introduction class; and introduction to ornithology class

6) Certified Wildlife Biologist (associate) with 25+ years of field survey experience for common and special-status wildlife species, including three USFWS 10a(1)A permits (Ridgway’s rail, California red-legged frog, and California tiger salamander) (see below, Certifications).

7) Currently one freelance project is as a **Consulting Avian Biologist/Environmental Scientist/Instructor** while coordinating a multi-year bird survey whose results are submitted to the California Avian Database Center. The surveys utilize 40+ adult volunteers who I supervise. They are citizen scientist students helping conduct bird surveys at a restored San Francisco Bay tidal area (Sears Point Restoration Area, Lakeville/Vallejo, CA) operated by the Sonoma Land Trust.

8) Birding Guide who has led birding outings since 1986 and presenter of bird-related public programs in more than 20 states, in addition to serving as a staff naturalist at nature centers in California and Wisconsin (below list).

9) A professional niche that I have developed since 2011: **Regularly create management solutions for Canada Goose overpopulation scenarios** at SF Bay Area sites where their nesting reduction is required (e.g., Las Gallinas Sanitary District's ponds in San Rafael, CA and other Bay Area locations have required me to research and/or develop customized Integrated Goose Management Plans.).

10) **Author of regulatory compliance documents** (e.g., author of more than 100 Biological Assessments, EIR chapters, EIS chapters, Initial Studies,, etc.) and marsh/wetland restoration plans, including planting plans, habitat alteration plans, and other master planning documents).

11) **Performed avian surveys (e.g., raptor/songbird monitoring, including nest finding surveys)/wildlife surveys and plant surveys in 20 California counties, as well as out of state.** In addition to the three special-status species noted above — Ridgway's Rail, CA Tiger Salamander, CA Red-legged Frog — for which I regularly conduct surveys, I also conduct them for California black rail northern spotted owl, golden eagle, Swainson's hawk, burrowing owl, San Francisco garter snake, Alameda whipsnake, and others hosted on the *Special Animals* list compiled by the California Department of Wildlife.

**PERMITS
&
CERTIFICATIONS:**

US Fish and Wildlife Service (USFWS), Ridgway's Rail
(formerly California Clapper Rail) (10(a)1(A))
Permit #TE-1017430 permit (through 2018)

USFWS, California Tiger Salamander (10(a)1(A))
Permit #TE-101743-0 (through 2018)

USFWS, California Red-legged Frog (10(a)1(A))
Permit #TE-101743-0 (through 2018)

Scientific Collecting Permit, #006365, CDFW

Rare, Threatened, and Endangered Plant Voucher Collecting Permit, #08076, CDFW

Certified Wildlife Biologist (Associate) via The Wildlife Society (national professional organization)

Advanced Wetland Delineation Training Course, Certificate of Achievement, Romberg Tiburon Center, San Francisco State Univ., 2001

**25 +
YEARS
EXPERIENCE:**

Mr. Edelstein, a Certified Wildlife Biologist (associate), possesses diverse skills as an experienced freelance, consulting biologist who has conducted wetland, plant and wildlife surveys for more than 25 years, including surveys throughout California (among more than 20 counties throughout northern, central, and southern portions of the state) and out of state.

He possess five survey permits: 1) California tiger salamander (CTS) (US Fish & Wildlife Service, #TE-101743-0, through 2018); 2) Ridgway's rail (USFWS, #TE-101743-0, through 2018); 3) California red-legged frog (US Fish & Wildlife Service, #TE-101743-0, through 2018); 4) Scientific Collecting Permit, #006365, CA Department of Fish & Wildlife; 5) Rare, Threatened, & Endangered Plant Collecting Permit, #08076, CDFW.

Conducting protocol level surveys for the following species is a task he has performed California tiger salamander, California red-legged frog, Ridgway's rail, California black rail, northern spotted owl, golden eagle, Swainson's hawk, and burrowing owl — and, in so doing, he often ensures clients comply with state and federal regulations/laws (such as the Golden Eagle & Bald Eagle Protection Act and the Migratory Bird Treaty Act).

Conducting raptor and songbird surveys for energy-related projects (**e.g., solar arrays; wind-power projects; water pipelines**) is a niche he has performed since 2009 at several sites, including urban, suburban, and wilderness/rural areas. All have required independent, supervisory, and extended commitments to clients requiring followup reports to comply with standards and, thus, to progress with project aims. Developing survey protocols/methods and creating data forms for submittal to agencies/clients has often been a requirement of these raptor/songbird surveys.

Supervising staff and mentoring biologists while he served on teams of various environmental consulting firms complements his background as a field biologist conversant with writing diverse compliance reports (including more than 100 Biological Assessment reports as well as EIR/EIS chapters) associated with California Environmental Quality Act

(CEQA) and the National Environmental Policy Act (NEPA).

His background includes writing Wetland Delineation reports after conducting wetland assessments, in addition to securing permits related to California Fish and Wildlife 1600 series, Section 7 (Endangered Species Act, and Clean Water Act (both Section 404 and 401).

As an approved “qualified biologist,” within the environmental consulting field (as judged by the U.S. Fish and Wildlife Service’s Sacramento Office and the California Department of Fish & Wildlife’s Yountville office), his botanical and wildlife field studies have occurred throughout California for both common and special-status plant and wildlife species, including more than a dozen special-status bird species, with a specialty in songbird and raptor species.

Addressing Moffit’s Canada Goose overpopulation problems for agencies (often sanitary districts) is another niche Daniel performs, whereby an Integrated Goose Management plan and other short- and long-term management techniques are implemented — including: a) habitat alteration (Daniel designs and implements a native species planting plan, for example); b) barricade additions (e.g., boulders/fences); and c) non-lethal goose overpopulation control actions, including egg addling (after he secures a federal permit).

Since 2008, he has conducted protocol level focused surveys for Ridgway’s rail and California black rail, the former for which he possesses a federal permit (see above, second paragraph).

Specific to his federal CTS, Mr. Edelstein has conducted these surveys in five California counties.

His kit fox surveys and monitoring began in 2009, including a two-year stint cataloging their presence-absence in eastern Alameda County for an ongoing SF Public Utility Commission project.

His songbird surveys have focused on the following special-status species: southwest willow flycatcher, yellow warbler, Allen’s hummingbird, loggerhead shrike, least Bell’s vireo, oak titmouse (subspecies), coastal California gnatcatcher, yellow-breasted chat, saltmarsh common yellowthroat, hermit warbler, tricolored blackbird, lark sparrow, song sparrow (three subspecies), and Lawrence’s goldfinch.

In addition, he is on staff (since 2003) in the Biology Department at Merritt College where he teaches periodic ornithology classes to adults.

Some of his avifauna surveys since 2002 have required nest searching/finding and subsequent monitoring, including a current project for the Willits Highway Bypass Project (Mendocino County).

EDUCATION:

**M.S.: Natural Resources, University of Wisconsin, Stevens Point,
(Dean's List)**

B.S.: Journalism, Marquette University, (Dean's List)

**PROFESSIONAL
EXPERIENCE:**

Consulting Biologist/Avian Biologist **2008-present**

Mr. Edelstein's current and recent projects include 1) Restoration plan development and writing for the Mountain View Sanitary District's McNabney Marsh; 2) Ridgway's rail and California black rail surveys for McNabney Marsh (2014-2015); 2) several Biological Assessment projects throughout the San Francisco Bay area; 2) songbird and raptor surveys for special status species in Lake/Colusa County, including special-status species such as golden eagle, bald eagle, and Swainson's hawk; and 4) Moffit's Canada goose surveys and implementation of an Integrated Goose Management plan that I researched and wrote (for a sanitary district in Marin Co.), in addition to adding of goose eggs at the site — as well as developing "planting plans"/habitat alteration designs to ensure native plant species succeed as a central result of the habitat alteration design I created within the Plan).

Ornithology Instructor **2003-present**

Mr. Edelstein develops and teaches periodic ornithology classes in the Biology Department at Merritt College in Oakland, CA

Bird Tour Leader **1986-present**

Mr. Edelstein leads customized, personal tours for birders, typically to Bay Area locations

Biologist **2006-2008**

SCS Engineers & Environmental Consultants, Santa Rosa, CA
(staff position eliminated due to low work volume)

Biologist **October, 2004-February, 2006**

Mactec Engineering, Petaluma, CA
(staff position, but biology department eliminated due to low work volume)

Biologist **2003-August, 2004**

Impact Sciences, Inc. (Oakland, CA)

Consulting Biologist **1989-2005**

For environmental consulting firms)/Naturalist/Writer; clients included: Greenhorne & Omara, Greenbelt, MD; ESA, Oakland, CA; Ibis Environmental, San Rafael, CA; and Wood Biological Consulting, Walnut Creek, CA

Naturalist, 1988- 89

Courage Center Environmental Center, Maple Lake, MN

Naturalist, 1986-87

Hayward Shoreline Nature Center, Hayward, CA

Naturalist/Environmental Educator

1983-85

Schmeckle Reserve, Univ. of Wisconsin, Stevens Point, WI
(graduate school research/teaching position)

Naturalist/Environmental Educator

1982

White Pines Environmental Center, Dixon, IL

Naturalist/Environmental Educator

1981, Riveredge Nature Center Newburg, WI

**ADDITIONAL
TRAINING
RELATED
TO
ENVIRONMENTAL
CONSULTING
COMPLIANCE:**

California tiger salamander field work and classroom workshops (2001 – 2015), with a federal survey/collecting permit obtained and valid through 2018.

California red-legged frog field work and classroom workshops (2001 – 2015) and focused field training in 2014 with Jeff Alvarez, with a federal survey/collecting permit obtained and valid through 2018.

Ridgway's Rail survey assistant (received federal US Fish and Wildlife Service collecting permit 10(a)1(A) based on his survey work with PRBO Conservation Science's 2008-09 point counts throughout North Bay locales, in addition to other 2006-7 surveys), 2008-current

Fairy shrimp certification class (Instructor: Mary Belk, permitted fairy shrimp authority); successfully passed test in 2005 and earned US Fish and Wildlife Service fairy shrimp collecting permit 10(a)1(A).

Various University of California-Extension classes related to "California Botany: Fifty Families," "Wetlands Regulations Update-Compliance & Mitigation," "Environmental Compliance," including California Env. Quality Act (CEQA) training, "National Env. Policy Act (NEPA)" training, "Endangered Species Act" updates, "Northern California Special-Status Reptiles & Amphibians," "Endangered Species Act Compliance and the California Red-Legged Frog," and "Endangered Species Act Compliance and the California Tiger Salamander."

"Stream Restoration Techniques" (full semester course) completed in 2005, Santa Rosa Junior College; class included hands-on case study project/report submission for prospective "watershed restoration project" by Calif. Dept. of Fish & Game.

Biology and Management of the California Tiger Salamander, conducted by Alameda County Conservation Partnership, August, 2006.

Biology and Management of the California Red-legged Frog, conducted by Alameda County Conservation Partnership, June, 2006.

College of Marin classes: *Ornithology*, 2004 (followup to initial 1985 semester-long Ornithology class); *Mammalogy*, 2003; *Field Ecology*, 1989 and 2002; *GIS Methods*, 2001).

Bird Bander training, Institute For Bird Populations, 1998 Certificate of Achievement.

**PROFESSIONAL
AFFILIATIONS:**

Member, Wildlife Society
Member, Society of Wetland Scientists
Member, Western Field Ornithologists
Member, American Ornithologists Union
Member, American Birding Association
Member, Marin Audubon Society (on its Conservation Committee)