

Daniel Edelstein –

- 1) Senior Biologist For CEQA Projects In 20 California Counties**
- 2) Certified Wildlife Biologist (Asc.)**
(field surveys, regulatory/permitting services)
- 3) Community College Biology Instructor**
- 4) Possess five survey permits, including three 10(a)1(A) from the US Fish & Wildlife Service**

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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 2023. Surveys conducted in 20 California counties.

2) Complementary background in writing regulatory compliance reports and utilizing my 20 years of regulatory/permitting knowledge to help clients obtain permits from local, state, and federal agencies.

3) Senior Biologist duties on staff and as a freelance consultant have included: mentoring staff while supervising them; coordinating projects after developing proposal that I “won” for companies or for myself as a consultant; conducting informal and formal consultation with local, state and federal agencies; and presenting my successful work projects at professional conferences.

3) Coordinate projects requiring permit/regulatory knowledge, including writing, and submittal of comprehensive technical reports that feature narrative chapters, figures/maps, photos, tables/charts (via database searches), and other information.

Report areas in which I specialize:

a: Initial Study development/submittal; b: “Biological Resources” chapter writing in Env. Impact Reports (EIR) and Env. Impact Statements (EIS); c: Restoration and vegetation plans; d: Water quality and compliance reports for clients required to maintain Regional Water Quality Control Board compliance; and e) Wetland delineation reports and other wetland assessment documents.

4) 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”.)

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 and mentor. 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) 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.).

9) 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.

10) 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).

**PERMITS
&
CERTIFICATIONS:**

US Fish and Wildlife Service (USFWS), Ridgway’s Rail
(formerly California Clapper Rail) (10(a)1(A))
Permit #TE-1017430 permit (through 2023)

USFWS, California Tiger Salamander (10(a)1(A))
Permit #TE-101743-0 (through 2023)

USFWS, California Red-legged Frog (10(a)1(A))
Permit #TE-101743-0 (through 2023)

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 in 22 northern, central, and southern portions of California.

He possesses five survey permits: 1) California tiger salamander (CTS) (US Fish & Wildlife Service, #TE-101743-0, through 2023); 2) Ridgway’s rail (USFWS, #TE-101743-0, through 2023); 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 start-to-finish project coordination with clients requiring Mr. Edelstein’s regulatory, permitting, and field survey expertises, thereby ensuring clients satisfy local, state, and federal regulatory measures. Designing survey

protocols/methods and creating data forms for submittal to agencies/clients has often been a requirement of these raptor/songbird surveys — including coordinating informal consultation for clients with state and federal agencies.

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) Since 2010 (through 2019): a) California Tiger Salamander and California Red-legged Frog surveys and report development/submittal; b) Moffitt's Canada goose surveys (including annual egg addling to reduce breeding success) and implementation of an Integrated Goose Management plan he developed for a sanitary district in Marin Co.), as well as developing "planting plans"/habitat alteration designs to discourage foraging and nesting by this non-native avian species; c) Nesting bird surveys throughout 20 California counties (2001-2019); d) design and implementation of avian point count surveys since (2016 – 2019) at the Sears Point Restoration Area (owned by Sonoma Land Trust), in addition to training and supervising 40+ citizen scientist volunteers; e) 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 (2010-2012); and
2) Since 1998, developed and submitted regulatory compliance reports for more than 100 clients — including Biological Assessments, Initial Studies, Biological Resource chapters in EIRs/EISs, and native plant restoration plans.

Ornithology Instructor (since 2003-present)

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

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
Schmeeckle 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 2023.

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, Western Field Ornithologists
Member, American Ornithological Society
Member, American Birding Association
Member, Marin Audubon Society (on its Conservation Committee)