

RESUME

BRADLEY E. VALENTINE

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Personal Information:

Born: 11/02/52 Indiana, Penn. Married, Two Children

Education:

Roosevelt High School	Fresno, Ca.		1971
Fresno City College	Fresno, Ca.	AA	1973
CSU, Fresno	Fresno, Ca.	BA	1975
CSU, Fresno	Fresno, Ca.	Second. Ed. Cred.	1977
CSU, Fresno	Fresno, Ca.	MA	1980

Memberships:

California Native Plant Society, American Fisheries Society, American Ornithologists Union, Cooper Ornithological Society, Western Field Ornithologists, Western Bird Banding Association, The Wildlife Society, Society for Conservation Biology.

Licenses and Permits:

Bird banding	USFWS	1986
Certified Wildlife Biologist	TWS	1986
Habitat Evaluation Procedures (HEP)	USFWS	1987

Relevant Experience:

A. CA Dept. Fish and Game

Northern Region		1/2007 - current
601 Locust Street	Supervised: 0	
Redding, CA 96001	Supervisor: Ken Moore	
(530) 225-2300	Title: Staff Environmental Scientist	

As a result of Department reorganization, I was reassigned to the Northern Region and remain in the timber harvest review capacity. Activities described in B still apply, with the exception that recommendation monitoring as part of the Timber Monitoring and Assessment Program (TMAP) no longer applies.

I continue as the Department's lead in the development of a Habitat Conservation Plan / Natural Communities Conservation Plan (HCP/NCCP) with a large private timberland owner.

B. CA Dept. Fish and Game

Central Coast Region
7329 Silverado Trail
Napa, CA 94558
(707) 944-5500

3/2000-1/2007

Supervised: 0
Supervisor: Carl Wilcox
Title: Staff Environmental Scientist

As part of the initial TMAP team, I was responsible for evaluating the fate of the Department's timber harvest recommendations from Pre-Harvest Inspection Reports through plan approval and to implementation. Effectiveness monitoring, although important, was a secondary priority. I participated in drafting procedures, protocols, conducting post-harvest inspections, and report writing. Resource assessment activities included a stream and microclimate study and fish monitoring on Jackson Demonstration State Forest.

Special projects were assigned to the TMAP group. I drafted a "Raptor Survey Protocol" that could be applied by timber harvest plan submitters to address issues with direct impacts of timber harvest to breeding owls and eagles/osprey/hawks. I provided logistical and information support to the Department's THP review staff.

I was initially 1/2 of the Department's team, and becoming the lead Department person, in the development of the HCP/NCCP. In this role, I participated in the development of the Planning Agreement; negotiated conservation measures monitoring, and adaptive management for fish and wildlife resources; administered special funding in support of the process; negotiated conditions for an associated Master Streambed Alteration Agreement; and participate in preparation of EIS and PTEIR.

C. CA Dept. of Forestry and Fire Protection

Coast Cascade Region
135 Ridgway Ave.
Santa Rosa, CA. 95401
(707)576-2275

9/90-3/2000

Supervised: 1 Student Assistant
Supervisor: Rodger Thompson
Title: Senior Biologist

I was responsible for wildlife, fisheries, and botanical issues associated with programs of the Department of Forestry in its North Coast Region. Programs range from Forest Improvement Programs, Vegetation Management (Prescribed Burns), to Forest Practices (regulation of private land timber harvest). The vast majority of time was spent on Forest Practices where the most common issue was direct impacts of proposed harvests on sensitive species. In this role, I 1) reviewed the biological information in proposed timber harvest plans for adequacy and applicability of proposed mitigation measures, 2) conducted field reviews of proposed harvest plans, evaluate impacts, and recommend mitigation measures, 3) conducted field surveys for the presence of sensitive species, 4) developed impact assessment and monitoring

recommendations, 5) performed resource assessment studies, and 6) assisted in responding to public concerns resulting from proposed harvests. Cumulative impacts -- primarily fisheries concerns of sedimentation and thermal pollution and wildlife concerns of habitat diversity and sustainability -- also are important issues which I addressed. I also developed biological-related policy and provided review and comment on such matters as proposed forest practice regulations. I coordinated many of CDF's interactions with other state and federal resource management agencies.

D. CA Department of Transportation, Dist. 6 11/89-9/90
P.O. Box 12616 Supervised: 1 Student Assistant
Fresno, CA. 93778 1 Staff Biologist
(209)488-4024 Supervisor: Jay Norvell
Title: District Biologist

I was responsible for providing the biological clearance under the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) for the environmental documents on projects ranging from minor road upgrades through new freeways. In so doing, I field reviewed and surveyed the biological resources of project areas, authored Biological Assessments and Natural Environment Reports, and provided for mitigation measures. As the District's Threatened and Endangered Species Coordinator, I acted as a liaison with federal and state wildlife agencies where projects generated Threatened and Endangered Species issues. I conducted wetlands inventories and coordinate wetlands oriented permits such as Section 404 of the Federal Clean Water Act and California's Streambed Alteration Agreements. I administered and reviewed the biological aspects of projects contracted to Consultants. I represented the Department of Transportation regarding biological resources at public meetings covering transportation projects.

E. Kings River Conservation District 8/80-11/89
4886 E. Jensen Ave. Supervised 10 perm., 10+ temp.
Fresno, CA. 93725 Supervisor: Jeff L. Taylor
(209)237-5567 Title: Chief, Env. Div.

My primary responsibility was dealing with environmental concerns resulting from water resource development-- mostly hydroelectric projects. Major activities included wildlife, fishery, and botanical resource protection and mitigation. Secondary responsibilities include oversight of abiotic resources monitoring such as water quality, air quality, and soils. Compliance with CEQA, NEPA, and other water resource development regulations was the major responsibility.

More specifically, I designed, conducted and/or supervised, analyzed, interpreted, and reported on studies designed to 1) assess impacts, 2) provide a sound basis upon which to prescribe

mitigation, and 3) monitor the response of target resources to mitigation activities.

I represented my employer before public meetings and testified in regulatory agency hearings. I acquired a working knowledge of fisheries habitat relationship models such as the Instream Flow Incremental Methodology (IFIM).

F. Independent Consultant

9/88-9/94

Various clients on various projects in several regions. All related to surveying for endangered and sensitive species and developing mitigation recommendations. Surveys included San Joaquin Valley desert species (kit fox, kangaroo rats, leopard lizard, peregrine and prairie falcons), valley and montane riparian species (willow flycatcher), and sandhill cranes. I also have performed general wildlife inventories. Report titles are available upon request.

G. Idaho Department of Fish and Game

2/80-10/80

600 S. Walnut St.
Boise, Idaho 83707
(208)334-2920

Supervisor: Lloyd Oldenburg
Title: Res. Wildl. Biologist

My research was a demonstration project on the application of LANDSAT imagery for big game range mapping. The products were vegetative cover maps of a big game management unit, and acreage tabulated by cover type within physiographic, ownership, and land use classifications. Digital LANDSAT multi-spectral scanner data was classified and correlated to known vegetative types -- characterized through ground truths and aerial photo interpretation.

H. Sierra National Forest

3/79-2/80

1130 "O" St.
Fresno, Ca. 93721
(209)487-5146

Supervisor: John Lorenzana
Title: Biol. Tech., Wildlife

My primary duty was data compilation for the wildlife and fisheries sections of the Land Management Plan being drafted by the Forest. Wildlife habitat types were delineated by converting timber-type maps and soil-veg maps, interpreting aerial photos, and ground-truthing. I also qualified and quantified fishery habitat on the forest via similar remote techniques. The final outputs were habitat type maps of the entire Forest, tables of habitat type acreage by "Management Unit", and tables of fishery streams by quality and "Management Unit."

Secondarily, I conducted stream surveys. For each stream surveyed, I estimated and measured parameters of trout habitat quality, rated overall habitat quality, and prescribed methods for and feasibility of habitat improvement.

Thirdly, I evaluated planned timber sale areas and recommended habitat improvement projects for expenditures of mitigation funds.

- I. California Dept. Fish & Game 1/79-3/79
1234 E. Shaw Ave.
Fresno, Ca. 93710 Supervisor: Roy Leach
(209)826-3472 (Grasslands W. D.) Title: Seasonal Aide

I worked with the Biologist of the Grasslands Water District on a cooperative lead-shot ingestion mortality study. Duties included locating dense populations of pintail ducks, erecting traps, banding, and performing prescribed experimental procedures on the captives. I also performed mortality transects on a wildlife area to locate dead and crippled waterfowl for autopsy.

- J. California Dept. Fish & Game 1/79-3/80
1234 E. Shaw Ave.
Fresno, Ca. 93710 Supervisor: Doug Bowman
(209)222-3761 Title: Seasonal Aide

I worked at a hunter check station on a wildlife refuge. Duties included public relations with 60+ sportsmen, identification of harvest, collection of gizzards for lead shot ingestion studies, record keeping, and facility maintenance.

- K. Kings River Conservation District 5/78-10/78
4886 E. Jensen Ave.
Fresno, CA. 93725 Supervisor: Mike Chapel
(209)237-5567 Title: Seasonal Aide

I performed further field work for the Application for License being prepared for the proposed Dinkey Creek Hydroelectric Project. This summer's duties included 1) avian strip censusing of thirteen potential impact sites, 2) bird banding for species composition and determination of optimum habitats, 3) small mammal trapping both randomly and in grids for species composition and indices of abundance, 4) determining angler use and fish harvest through creel censuses, 5) determining deer use and numbers by evaluating fecal group numbers on permanent transects, 6) evaluating the effects of impoundment on Dipper distribution, 7) analyzing vegetation by point-quarter and line intercept methods, 8) collecting and analyzing data on water quality and weather, and 9) drafting portions of the Application for License.

L. Kings River Conservation District

5/77-10/77

4886 E. Jensen Ave.

Fresno, CA. 93725

(209)237-5567

Supervisor: Mike Chapel

Title: Seasonal Aide

I performed vertebrate surveys for an Application for License being prepared for the proposed Dinkey Creek Hydroelectric Project. Duties included 1) mist netting and banding birds for species documentation, 2) trapping of small mammals to determine species presence, 3) identifying carnivores by tracks at scent stations, 4) capturing reptiles and amphibians by any method for identification, 5) surveying owls by calling at night, and 6) fish species surveys and population estimation via electroshocking and mark-recapture methods. I also identified and quantified vegetation (quadrants and line intercept).

M. California Dept. Fish & Game

6/76-9/76

1234 E. Shaw Ave.

Fresno, Ca. 93710

(209)222-3761

Supervisor: Gordon Ashcraft

Title: Seasonal Aide

Collected data primarily involved with the North Kings deer herd study. Fawning areas and migratory routes were quantified and qualified in terms of forage, cover, and deer use. Data were collected for studies into 1) the tolerance of deer to humans (recreation), 2) deer response to silvicultural practices, 3) interactions between deer and livestock, and 4) response of deer to wildfire altered habitat.

Pertinent Activities

Many official and ad hoc positions at the Chapter and Section level of The Wildlife Society.

Participated on steering committee and session chair at the conference "*Endangered and Sensitive Species of the San Joaquin Valley, California: A Conference on their Biology, Management, and Conservation*," 1987.

Board member (resigned September 1990) of the San Joaquin River Parkway and Conservation Trust, a non-profit public benefit corporation concerned about the long-term stewardship of the San Joaquin River and surrounding lands.

Instructor at a training sessions (1992, 2006) on Willow Flycatcher surveys for biologists' use of the recommended protocols.

Invited volunteer with the National Biological Service's (NBS) 1993 and 1994 surveys for Southwestern Willow Flycatchers in Grand Canyon National Park. Re-invited in 1995 to survey the San Juan River.

Participated in the 1994 surveyors' training for the Southwestern Willow Flycatcher sponsored by Arizona Game & Fish,

US Fish and Wildlife Service, and NBS.

Invited panelist (riparian birds) to develop criteria upon which the California Region of the US Forest Service could assess the impacts under NEPA of various of California Owl management alternatives.

Authored Willow Flycatcher habitat creation proposal which was accomplished by Sierra National Forest during the early 1990s.

Invited testimony before the Sonoma County Forestry Rules Committee to discuss old-growth needs and wildlife requirements.

Developed and taught workshop on "*Watercourse Assessment*" to California Department of Forestry, Department of Fish & Game, and Regional Water Quality Control Board personnel.

Participated as an instructor at the first (Arcata - topic: aquatic amphibians) and second (Santa Cruz - topic; in-field channel assessment - v*, McNeil sampling, embeddedness) "Watershed Academy," jointly organized and offered by the California Department of Fish & Game and the California Department of Forestry.

Co-developer with the Department of Fish & Game and instructor for the forester's training program regarding torrent salamander (*Rhyacotriton variegatus*) under the state of California's Endangered Species Candidacy period.

California Department of Forestry and Fire Protection's representative on the U.S. Fish & Wildlife Service's Recovery Team for the federally listed California red-legged frog (*Rana aurora draytonii*) Recovery Plan.

Instructor at three offerings on forest amphibians targeting north coast California species, with special emphasis upon recognition and protection of habitat of special concern species.

Honored by the Western Section of The Wildlife Society with the "*Raymond F. Dasmann Award*" for the Professional of the Year in 1998.

Invited participant on the U.S. Fish & Wildlife Service's Scientific Subcommittee of the Southwestern Willow Flycatcher Recovery Team.

Planning committee co-chair for the November 1999 symposium "*The ecology and management of dead wood in western forests*" sponsored by the Western Section of The Wildlife Society. Co-editor the proceedings published by the U.S. Forest Service as a General Technical Report PSW-181.

Invited participant in the US Forest service's Willow Flycatcher Conservation Strategy development.

Steering committee member and session chair at Redwood Region Forest Science Symposium, March 2004.

Conducted peer review of many manuscripts.

Publications and Presentations:

Anon. 1997. Coho Salmon Considerations for Timber Harvesting under the California Forest Practice Rules. Calif. Depart.

- Forestry & Fire Protection. Sacramento, CA. 48pp. [I was primary author]
- Berbach, M., P. Cafferata, T. Robards, and B. Valentine. 1998. Forest canopy measurements in Watercourse and Lake Protection Zones: A literature review. California Department of Forestry and Fire Protection. Sacramento. 22pp.
- Boland, S.P., J. A. Halstead, and B. E. Valentine. 1989. Willow Flycatcher Nestling Parasitized by Larval Fly, *Protocalliphora cuprina*. Wilson Bull. 101(1): 127.
- Bombay, H.L., et al. 2000. A Willow Flycatcher Survey Protocol for California. USDA For Serv. Cal. Reg. 50 pp.
- Craig, D., R. Schlorff, B. Valentine, and C. Pelles. 1992. Survey protocol for Willow Flycatchers (*Empidonax traillii*) on National Forest Service Lands in the Pacific Southwest Region. DRAFT. 12 pp + Append.
- Fowler, C., B. Valentine, S. Sanders, and M. Stafford. 1991. Habitat Suitability Index Model: Willow Flycatcher (*Empidonax traillii*). Unpublished Report. USDA Forest Service, Tahoe National Forest. Nevada City, CA. 14 pp.
- Graf, W.L., J. Stromberg, and B. Valentine. 2002. Rivers, dams, and Willow Flycatchers: A summary of their science and policy connections. Geomorphology 47(2):169-188.
- Nelson, T., B.E. Valentine, and R. Macedo. 2004. Air temperatures of stream-sides in the north coast redwood region 2001-2003, A preliminary study. Pp 75-84 in USDA Forest Service Gen. Tech. Rep. PSW-GTR-194.
- Laudenslayer, W.F., Jr., P.J. Shea, B.E. Valentine, C.P. Weatherspoon, and T.E. Lisle. 2002. Proceedings of the symposium on the ecology and management of dead wood in western forests. USDA For. Serv. Gen Tech. Rep PSW-GTR-181. 949 pp.
- Oldham, J.A., and B.E. Valentine. 1989. The Crescent Bypass: A Riparian Restoration Project on the Kings River, Fresno County. Pp 457-461 In D.L. Abell (Tech. Coord.) Proceedings of the California Riparian Systems Conference: Protection, Management, and Restoration for the 1990s. USDA For. Serv. Gen. Tech. Rep. PSW-110.
- _____, and _____. 1990. Phase II of the Crescent Bypass riparian revegetation project. Pp 69-78 In H.G. Hughes and T.M. Bonnicksen (Eds.) Restoration '89: The new management challenge. First Annual Meeting of the Society for Ecological Restoration. Madison, WI.
- Robards, T.A., M.W. Berbach, P.H. Cafferata, and B.E. Valentine. 2000. A comparison of techniques for measuring canopy in watercourse and lake protection zones. Calif. Forestry Note 115:1-15.

- Single, J.R., B.E. Valentine, M.T. Chapel, and R.D. Rempel. 1986. Trends in Management of Mitigation for Hydroelectric Impacts on the Sierra National Forest. Poster Session, 51st North American Wildlife and Natural Resources Conference.
- Stafford, M.D., and B.E. Valentine. 1985. A Preliminary Report on the Biology of the Willow Flycatcher in the Central Sierra Nevada. CAL-NEVA Wildlife Transactions 1985: 66-77.
- Valentine, B.E. 1980. Migratory Homing of wintering White-crowned Sparrows in Fresno County, California. Unpubl. MA Thesis, CSU, Fresno.
- _____. 1986. Gender and Philopatry to Wintering Grounds in Gambel's White-crowned Sparrow. Presented at International Ornithological Congress, Ottawa, Canada.
- _____. 1987. Implications of Recent Research on the Willow Flycatcher to Forest Management. A Report at the U. S. Forest Service, Region V (California), Annual Biologists Workshop. Env. Sect. Res. Rep. 87-002. Kings River Conservation District. Fresno, CA. Unpaginated.
- _____. 1992. Endangered Species. Presented at the California Licensed Foresters Association meeting, November 1992. Redding CA.
- _____. 1995. Stream substrate quality for salmonids: Guidelines for sampling, processing, and analysis. Pp 76-79 In J. Duncan-Vaughn (Ed.) Proceedings of the Thirteenth Annual Salmonid Restoration Foundation Annual Conference.
- _____. 1996. California Department of Forestry & Fire Protection Perspectives. Presented at the "Natural History & Management of Bats in California and Nevada" workshop of the Western Section of The Wildlife Society.
- _____. 1997. Application of wildlife ecology and management during timber harvest planning. Presented at Santa Rosa Junior College's Environmental Forum.
- _____. 1999. Natural history and survey techniques. Presented at the Workshop on "Willow Flycatcher: Natural History & Management Implications on Private Timberlands in Northwestern California" offered by the California North Coast Chapter of The Wildlife Society.
- _____. 1999. Forestry management and Marbled Murrelets under the California Forest Practice Rules in the Santa Cruz Mountains. Presented at the symposium on "Status, Conservation and Current Research Objectives" sponsored by the Santa Cruz Bird Club.
- _____. 1999. Cumulative impacts assessment. Presented at the "Wildlife and Fisheries Management THP Preparation and Considerations Workshop Series for Resource Professionals" at the Hopland Field Research Station.

- _____. 2003. Professional conduct among wildlife biologists. Presentation at the 2003 Western Section, The Wildlife Society Annual Conference, Irvine, CA.
- _____, R. Macedo, and T. Hughes. 2007. Salmonid Communities in the South Fork of Caspar Creek, 1967 to 1969 and 1993 to 2003. Pp 247-256 in USDA Forest Service Gen. Tech. Rep. PSW-GTR-194.
- _____, S.C. Parmenter, and J.R. Single. 1992. Treating the Symptoms: A Comment on the Panel Discussion "Conservation Strategies for the San Joaquin Valley." Pp 369-370 In D.F. Williams, S. Byrne, and T.A. Rado (Editors) Endangered and Sensitive Species of the San Joaquin Valley, California: Their Biology, Management, and Conservation. Calif. Energy Commission. Sacramento, CA. 388p.
- _____, T.A. Roberts, S.P. Boland, and A.P. Woodman. 1988. Livestock Management and Productivity of Willow Flycatchers in the Central Sierra Nevada. Trans. West. Sect. The Wildl. Soc. 24: 105-114. (and Presentation at the annual conference of the Western Section, The Wildlife Society).
- _____, and J. Smith. In prep. A Guide to Deer Habitat Management -- West Slope Sierra Nevada: Coordination with Hydroelectric Development. Presentation at the 1988 Continuing Education Workshop, Western Section, The Wildlife Society. Chapter of a Pacific Southwest Research Station General Technical Report in prep by U.S. Forest Service.

References

References provided upon request.