

***Appendix O. Monitoring and Research  
Investigations at Sacramento River  
National Wildlife Refuge and vicinity.***



<b>Project Title</b>	<b>Participants</b>	<b>Affiliation</b>	<b>Funding Source</b>	<b>Site Locations</b>	<b>Documents</b>
Birds and Bird Predators	Geoff Geupel Stacy Small Joanne Gilchrist	PRBO PRBO-PhD student PRBO	Various	SRNWR	Proposals Reports Manuscripts
State transition modeling, Classification of Vegetation Communities, Red Bluff to Colusa Reach, Sacramento River, CA	Mehrey Vaghti Steven Greco Alex Fremier Jay Lee Truil	UCDavis-MS student UCDavis UCDavis-MS student UCDavis-MS student	DWR	Emphasis on river bends at Pine Creek and below Woodson Bridge; approx. 100 vegetation survey locations.	Proposals Master's Thesis
Recruitment of herbaceous species	Karen Holl Elizabeth Crone	UCSC U of Montana		Dave Jukkola has shape file	Proposals Report
Terrestrial Inverts	John Hunt	CSUC-MS student	CALFED 97-NO3	Rio Vista, plus WCB lands south, Pine Creek & Phelan Island	Proposals Report
Ground water, soil development and nutrient cycling	David Brown David Wood Carey Wilder	CSUC CSUC CSUC-MS student	CSLFED 97-NO3	74387 (Brown, Wilder) 74388 (Wood, Hunt)	Proposals Reports
Salmonids, Salmonid Prey	Michael Marchetti Mike Limm	CSUC CSUC-MS student	CALFED Beehive Bend	N/A	Proposal Report
Stratigraphy, geomorphology & cottonwoods	Karin Hoover Walter Van Gronigen	CSUC CSU-MS student	CALFED Beehive Bend	Shaw Bar, RM 172 & RM 183, all on west side of river	Proposal
Evolution of backwater habitats	Matt Kondolf Herve Piegay Gundrun Bornette Ingrid Morken	UC Berkeley Nat'l Centr for Scientific Research, Lyon, FR; U Caude Bernard, Lyon, FR; UCB-MS student	TNC, DWR		Proposal

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Isotopic Studies, Aquatic Food Web Dynamics, Bats	Mary Power Bruce Orr Frank Ligon Bill Rainey Dixie Pierson Sapna Khandwala	UC Berkeley Stillwater Sciences Stillwater Sciences UC Berkeley ? Stillwater Sciences	CALFED 97-NO3		Proposal Report
Turtles	Dawn Wilson	CSUC	Various	Sam Slough, Murphy Slough, North of Pine Creek	Proposal Reports
Meander Migration Modeling	Eric Larsen	UC Davis	CALFED 97-NO2	RM 201-185	Proposal
Grassland Restoration	Jim Coleman Hall Cushman	Sonoma State U Sonoma State U	USFWS & Anderson Foundation	Llano Seco & Vermet Field	
Baseline Assessments of Future Restoration Sites	Jean Hubble David Wood John Hunt Matt Quinn Ryan Luster	CSUC CSUC CSUC-MS Student CSUC-MS Student TNC	TNC	Haleakala, Deadman's Reach, Capay, RX Ranch, Sunset Ranch	Proposal Reports
Grassland Restoration, Competition & Establishment	Matt Quinn Tom Griggs Dan Efseaff	CSUC CSUC	Sac River Partners	Llano Seco T4	Proposal Master's Thesis
Bird Food Identified Through Fecal Examination (feasibility study)	Scott Chamberlain Karen Holl Elizabeth Crone Aaron Gabbe Charles McClair	CSUC UCSC U of Montana UCSC UCSC	Research experience for undergraduate MSF (to Holl, Wood)	Sul Norte, Phelan Island	Proposal
Black Walnut Genetics	Paul Kirk Christina Schierenbeck	CSUC CSUC	CSUC Bio Dept		Proposal Master's Thesis
Soil Stratigraphy Mapping with Conductivity	Eileen Ernenwein Donald Sullivan	U Denver- PhD student U Denver			Proposal
Elderberry Associated Insects	Marcel Holyoak Teresa Talley	UC Davis UC Davis-post doc		Various riparian woodland sites with elderberry in the vicinity of Chico. Considered both natural and restored sites	Proposals

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Pollinators	Neal Williams	Princeton U	TNC Smith Fellow		Proposal
How Management Scenarios Affect Rates of Floodplain Sedimentation, includes dating sediments with Lead-210	Michael Singer Tom Dunne	UC Berkeley UCSB	CALFED		Proposal PhD Dissertation Reports
Species richness of medium-sized carnivores & riparian patch size	Earl Jeffrey Souza	CSUC	TNC	10 sites between Red Bluff & Colusa	Masters Thesis
Species-Area Relations of Breeding Birds on the Middle Sacramento River, CA	L. Breck McAlexander	CSUC			Report to TNC (1994) and Master's Thesis
Nest Site Selection & Nesting Success of the Western Wood Pewee ( <i>Contopus sordidulus</i> ) in the Sacramento Valley, CA	Carrie Bemis	CSUC-grad student		Sacramento River NWR, Flynn Unit & Woodson Bridge State Park	Masters Thesis Spring 1996
Fisheries Monitoring	Charles Brown David Grant	CDF&G CDF&G	CDF&G	Mouth of Stoney Creek at Phelan Island Unit	Brief Reports
Natural Process Restoration	Daryl Peterson Dave Wood	TNC CSUC	TNC	Sul Norte	Masters Thesis 2002
Survival & Growth of Valley Oaks at Restoration Sites	Tom Griggs Greg Golet	CSUC TNC	Some from TNC		Manuscript
Status of Yellow-Billed Cuckoo	Dave Gilmer Jim Snowden  Steve Laymon  Murrelet Halterman Gary Falxa	USGS-Dixon Kern River Research Ctr Kern River Research Ctr Kern River Research Ctr USFWS-Sacramento	USGS, USFWS	River wide	Report

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Vegetation Dynamics at Restoration Sites & Remnant Riparian Sites	Dave Wood Greg Golet Ryan Luster Joe Silveira Brianna Borders Dylan Van Dyne Matt Brown	CSUC TNC TNC USFWS CSUC-MS Student CSUC-MS Student CSUC-MS Student	CALFED-Beehive Bend, TNC Fresh Water Initiative		Proposals
La BARRANCA Gravel Pit Restoration Feasibility Study	Dan Efseaff Tom Griggs	CSUC Sac River Partners	AFRP grant to Sac River Partners		Proposal Report
Bank Swallow Surveys	Ron Schlorff Joe Silveira	CDF&G USFWS	CDF&G & USFWS		Annual Reports Publications
Indicators of Hydrologic Alteration (IHA) Studies	Shawn Pike Stacy Cepello	DWR DWR			
Cottonwood Recruitment Pilot Study	Mike Roberts Stacy Cepello	TNC DWR	CALFED97-N02		Final Report
Current Status Report on Cottonwood Recruitment	Karin Hoover Sara Nash	CSUC CSUC	CALFED - Beehive Bend	RM 165-206 (30 sites)	Draft Report
Channel Cut-Off Investigation	Eric Larsen Laura?	UCDavis			
Sediment Mobility Study	Koll Buer	DWR	DWR		
Water Temperature Regime Study	Cindy Lowney				Ph D Dissertation
Refuge Wildlife Surveys	Joe Silveira	USFWS	USFWS		Reports Manuscripts
Soil Vegetation Associations at Llano Seco, Chico, CA	Joe Silveira Tom Griggs Dean Burkett	USFWS, SSRP, NRCS	USFWS, SRP, NRCS	Llano Seco Unit (USFWS), Llano Seco Ranch	Soils (1998)
Competitive Effects of Intercropping Alfalfa with Valley Oak & Blue Elderberry Seedlings	Jean Hubbell	CSUC		Kopta & Llano Seco	Master's Thesis

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Influence of Riparian Vegetation on Water Temperature in the Sacramento River, CA	Cynthia L. Lowney	Water Resources			Report to USFWS
Sacramento River, Glenn, Butte & Tehama Counties: A Study of Vegetation, Deposition & Erosion and a Management Proposal	Thomas J. Kakremer	CSUC			Master's Thesis
Monitoring Riparian Landscape Change & Modeling Habitat Dynamics of the Yellow-Billed Cuckoo on the Sacramento River, CA	Steven E. Greco	UCDavis			Ph D Dissertation
Riparian Vegetation Distribution Along the Middle Sacramento River in Relation to Flood Frequency	Stacy Cepello	CSUC			Master's Thesis
Leaf Litter Decomposition Rate	Brianna Borders David Wood James Pushnik Dave Brown	CSUC CSUC CSUC CSUC		Princeton Ferry, River Vista, Phelan Island, Pine Creek, Shaw Bar, Flynn	Master's Thesis
Sediment Transport	Koll Buer				
Bank Erosion and Meandering Studies	Koll Buer				
Human Effects on Geomorphic Processes	Koll Buer				
Effects of Dams & Diversion on the River	Koll Buer				

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Hyporheic Zone (ground water, river water interactions)	Stacy Cepello Thomas Boullion				Proposal
Flows & Sediment Transport	Stillwater				
Cottonwood Root Growth Rates	Stillwater				
Processes that Create Off-Channel Habitats	Dietrich Kondolf				
Channel Substrate Comp and Permeability	Stillwater				
Frequency & Extent of Cottonwood Recruitment	USGS				
Further Refinement of the Meander Migration Model	Eric Larsen				
Effects of Bank Protection on In-Channel Habitat	Kondolf				