



Schedule at a Glance

Day	Time	Sequoia A	Hotel Paradox Sequoia B	Sequoia C	RCN Auditorium
Wed. April 8th	8:30am - 12:00pm	CE 1 - Presentation Skills 8:30am - 12pm	CE 2- PIT Tagging Workshop 9am - 12pm	CE 4 - CDFW SCP and Federal Permit Procedures Workshop 9am - 12pm	Symposium
	12:00 - 1:00pm	Lunch			Restoration or Reconciliation? Tidal Wetlands, Fishes, and Estuaries in California 9am - 3:40pm
	1:00 - 5:00pm	CE 3 - Endangered Species Act Section 7 Consultation 1pm - 5pm	CE 2- PIT Tagging Workshop (contin.) 1pm - 5pm	CE 4 - CDFW SCP and Federal Permit Procedures Workshop (contin.) 1pm - 4pm	
	5:00 - 7:00pm	Poster Session and Social - Sequoia D and Grove Room			
	7:00 - 10:00pm	Student-Sponsored BBQ - Long Marine Laboratory			
Thursday April 9th	8:15 - 11:45am	Plenary Session Sequoia A-C			
	11:45am - 1:00pm	Student-Mentor Lunch			
	1:00 - 3:00pm	1. Student Symposium	2. Great White Sharks: Recent Advances in Understanding Behavior and Habitat Use	3. Linkage between the Sacramento River and northern tributaries - Fish response to management	4. Ecology and Conservation of Winter-Run Chinook Salmon 1:00-3:20
	3:20 - 5:00pm		5. Going with the Flow: Maintaining Linkages in Regulated River Systems	6. Native Species	7. Chinook Salmon 3:40-5:00
	6:00 - 7:00pm	Social - Hotel Paradox Pool Deck			
	7:00 - 10:00pm	Banquet, Awards, Raffle - Sequoia A-C			
Friday April 10th	8:00 - 10:00am	8. Monitoring Matters: Making Informed Management Decisions	9. Estuaries and Lagoons	10. Challenges for Salmonid Recovery in Altered Systems	11. Monitoring and mitigating impacts from California's continuing drought
	10:20 - 11:40am	12. Monitoring, Management and Metapopulation	13. Techniques and Technologies	14. Human-Assisted Methods for Fish Reintroductions	
	12:00 - 1:30pm	Cal-Neva ExComm Business Meeting - RCN Auditorium			
	1:40 - 3:00pm	15. Sandy Watersheds, Salmonids and Salamanders	16. Causes and Consequences of Life History Evolution	17. Defining Fish Habitat	
	3:20 - 4:20pm				

Time	Resource Center for Nonviolence Auditorium
	Restoration or Reconciliation? Tidal wetlands, fishes, and estuaries in California James Hobbs, Stacy Sherman, Dave Contreras
9:00am	Introduction James Hobbs
9:10am	More conceptual models of tidal wetland restoration? The process of building them is as important as the product Rosemary Hartman
9:30am	Development of a standardized monitoring plan for tidal wetlands in the San Francisco Estuary Stacy Sherman
9:50am	Breaching the levee between science and reality: tidal wetland restoration in the Sacramento/San Joaquin Delta and Suisun Marsh Erik Loboschefsky
10:10am	Dutch Slough restoration Bruce Herbold
10:30am	Implementing large-scale tidal marsh restoration in a stressed ecosystem: how to overcome the challenges Lenny Grimaldo
10:50am	BREAK
11:00am	Landscape-scale aquatic reconciliation in the North Delta Arc Amber D. Manfree
11:20am	Trophic relay and fish movement patterns in a remnant tidal marsh Denise P. DeCarion
11:40am	Larval growth rates of Sacramento Splittail, <i>Pogonichthys macrolepidotus</i> , via otolith microstructure analysis Felipe A. La Luz
12:00pm	Diets of two alien predators - adult Striped Bass and White Catfish - in Suisun Marsh Teejay O'Rear
12:20pm	Fish food factory: Differences in productivity between a restoring tidal marsh and a managed wetland Brian O. Williamson
12:40pm	LUNCH
2:00pm	Use of adaptive management in the South San Francisco Bay Salt Pond Restoration Program in California John Bourgeois
2:20pm	Lessons learned from restoring solar evaporation ponds in the San Francisco Estuary James Hobbs
2:40pm	Challenges and adaptations to persistence in dynamic environments: Tidewater Goby in northern California lagoons Michael Hellmair
3:00pm	The function of west coast estuaries as nurseries: synthesizing their role and identifying critical information gaps Steven Y. Litvin
3:20pm	Closing Comments James Hobbs
5-7 pm	Poster Session and Social - Sequoia C-D and Grove Room
7-10 pm	Student-hosted BBQ - Long Marine Laboratory
Wednesday	

Time	Hotel Paradox			Resource Center for Nonviolence
	Sequoia A	Sequoia B	Sequoia C	Auditorium
	1. Student Symposium Denise DeCarion	2. Great White Sharks: Recent Advances in Understanding Behavior and Habitat Use Cynthia LeDoux-Bloom	3. Linkage between the Sacramento River and northern tributaries: Fish response to management Trisha Parker-Hamelberg	4. Ecology and Conservation of Winter-Run Chinook Salmon Steven C. Zeug
1:00	Linking human activity to the deep sea: anthropogenic impacts in the twilight zone Amanda Nicole Netburn	Genetics of White Sharks in the Northeastern Pacific Carol A. Reeb	Dams, fish, rocks and water - An update on the Battle Creek restoration efforts Laurie A. Earley	Evaluating feasibility of winter-run Chinook reintroduction upstream of Shasta Dam John Hannon
1:20	Quantifying abiotic habitat characteristics to determine thresholds for salmonid over-summer survival in intermittent streams Cleo Woelfle-Erskine	Modeling shark attack data to infer patterns of shark abundance: a case study on the California white shark population Francesco Ferretti	Mill Creek Spring-Run Chinook- Efforts to reverse the trend in declining abundance Matthew R Johnson	Expansion of the Winter Chinook Conservation Hatchery Program during California's ongoing drought with implications to the natural-spawning population. Robert Null
1:40	Juvenile fall and spring-run Chinook Salmon reach-specific survival and route selection through the Sacramento-San Joaquin Delta. Gabriel P Singer	Estimating apparent survival of White Sharks in Central California using photo ID mark-recapture Paul E. Kanive	Hitting claydirt! Clear Creek - A gold nugget of the Sacramento River fall-run Chinook population. James T. Earley	Navigating the drought: movement and survival of acoustically-tagged juvenile winter Chinook Salmon through California's Central Valley to the Pacific Ocean Jason Hassrick
2:00	Feeding microhabitat use and movements of juvenile <i>Mugil cephalus</i> in a Hawaiian stream. Kauaoo Fraiola	Using stable isotope analysis to inform tracking data in eastern North Pacific white sharks. Aaron B. Carlisle	Straying of hatchery salmon released on-site: management implications of a large mitigation hatchery Sarah Austing	Application of Genetic Methods To Salvaged ESA-listed Chinook Salmon Scott Blankenship
2:20	The Influence of drought on an intermittent stream food web in coastal California Kristina Cervantes-Yoshida	White sharks without borders: Migratory connectivity across the Mexico-USA boundary Salvador J. Jorgensen	Small dam removal and low-impact power generation upgrades in a remote area of South Fork Cottonwood Creek Joey Howard	Distribution and fate of winter-run Chinook Salmon in the Sacramento-San Joaquin Delta. Steven C. Zeug
2:40	Fish & Food: How habitat and trophic subsidies structure resource use in the Sacramento-San Joaquin Delta Matthew J. Young	Exponential increase in rate of white shark attacks on sea otters in central California: demographic consequences and possible causes. Tim Tinker	The Passage Assessment Database: a Tool for Restoring Stream Habitat Connectivity Anne Elston	Inferring Sacramento winter Chinook salmon ocean spatial distributions from coded-wire tag and genetic data Will Satterwaite
3:00	Break			
Time	1. Student Symposium (contin.) Matthew J. Young	5. Going With The Flow: Maintaining Linkages in a Changing Climate Scott Wilcox	6. Native Species Wayne Lifton	3:20 Inference of historical Sacramento River winter Chinook fishing mortality rates over the past 35 years Michael O'Farrell
3:20	The influence of habitat characteristics on juvenile coho salmon abundance and growth in constructed off-channel habitats in the middle Michelle R. Krall	Relationships between mobile post-dam gravel deposits, geomorphic controls, high flow hydraulics, and modeled juvenile salmonid rearing Scott McBain	Study of Changes in Flow Regime on Hardhead in the Middle Fork Stanislaus River Larry Wise	7. Chinook Salmon J.D. Wikert
3:40	The Impacts of polystyrene plastic and polycyclic aromatic hydrocarbons on the development of Zebrafish Rosalyn T. Lam	Using targeted flow releases in regulated rivers to improve migration success and decrease disease risk for adult salmonids Joshua S. Strange	Western Pond Turtle Population Status and Response to Aseasonal Flows in the San Joaquin River Earl Gonsolin	A Quantitative Life Cycle Model for Chinook Salmon in Battle Creek, CA Paul S. Bergman
4:00	Asymmetric introgression among Coastal Cutthroat Trout and steelhead within the Smith River Basin Sam F. Rizza	Application of Two-Dimensional Hydraulic Models in Riparian Community Function Analysis Jarvis A Caldwell	Recent hybridization of a Colorado River Delta endemic silverside, <i>Colepichthys hubbsi</i> Clive L.F. Lau	Relative importance of river flow, ocean conditions, and hatchery practices on early ocean growth and overall survival of Central Valley fall-run Chinook Megan Sabal
4:20	Does freshwater growth limit Coho Salmon (<i>Oncorhynchus kisutch</i>) ocean survival? A comparison of results from scale back-calculation and from PIT tag data Sean M Cochran	Butte Creek spring-run Chinook salmon pre-spawning mortality. What are the causes and consequences? Flora Cordoleani	Climate change projections on management-relevant scales: Coupling local-scale models of water temperatures to maturation of Delta Smelt Larry R. Brown	A dynamic factor analysis to estimate common trends in juvenile Chinook Salmon growth variability: describing the freshwater experience Pascale Goertler
4:40	Sex ratio variation determines the ecological impacts of mosquitofish populations David C. Fryxell	Downstream migration success of hatchery-reared Feather River steelhead Andrew Hampton	Mediating water temperature increases due to livestock and global change in high elevation meadow streams of the Golden Trout Wilderness Sebastien Nussle	Factors influencing the behavior and duration of residence of adult Chinook salmon in a stratified estuary Joshua S. Strange
6-7 pm	Pre-Banquet Social - Hotel Paradox Pool deck			
7-10pm	Banquet, Awards and Raffle - Sequoia A-C			
Thursday Afternoon				

Time	Hotel Paradox			Resource Center for Nonviolence
	Sequoia A	Sequoia B	Sequoia C	Auditorium
	8. Monitoring Matters: Making Informed Management Decisions Heather McIntire	9. Estuaries and Lagoons: Ocean-Watershed Linkages in a Changing Climate Christina Toms	10. Challenges and Applications for Salmonid Recovery in Highly Altered Systems Cynthia LeDoux-Bloom	11. Monitoring and Mitigating Impacts from California's Continuing Drought Michelle Workman
8:00	The A.R.M. of the Central Valley Project Improvement Act: putting science into action Cesar C. Blanco	An inventory and classification of U.S. West Coast estuaries Kevin O'Connor	Genetic analysis of steelhead/rainbow trout, <i>Oncorhynchus mykiss</i> : patterns, processes, and recovery planning in highly modified landscapes Devon E. Pearse	2014 Drought Monitoring and Response in Santa Barbara and Ventura Counties Katherine D. McLaughlin
8:20	Using Chinook salmon fisheries and escapement monitoring data to guide sustainable fishery management decisions Jennifer Simon	New resource inventory strategy for California's bar-built estuaries and its value for fish management Ross Clark	Survival improvements at Fish Guidance Systems designed to improve safe downstream passage of anadromous and catadromous fish Shane Scott	Year-round drought monitoring, impacts, and rescues of McCloud River redband trout Michael Dege
8:40	Monitoring for management mojo: making the most of the Central Valley Angler Survey Rob Titus	Potential impacts of climate change on California coastal lagoon habitat Dane Behrens	Salmon feeding strategies and the bioenergetic modeling of juvenile Chinook salmon growth during a drought in the San Joaquin River, Taylor Spaulding	Management Tools To Mitigate Drought Effects in The Lower Mokelumne River Jose D. Setka
9:00	Real-time monitoring of anadromous fishes in watershed with acoustical array for more effective management A. Peter Klimley	Importance of marine derived nutrients for juvenile steelhead reared in seasonal coastal lagoons Alison L. Collins	San Francisco Bay: making use of a big estuary-California Chinook Salmon fry and salty water Yvette Redler	Early warning monitoring to detect Delta Smelt movement during drought Matt Dekar
9:20	Monitoring California native trout under extended drought conditions David Lentz	California drought causes apparent loss of steelhead estuarine nursery habitat Eric Huber	Effects of prolonged drought on the benthic macroinvertebrate community of Topanga Creek and potential implications for Southern California Steelhead Trout Elizabeth Montgomery	Salmonid monitoring successfully assisted flow management in Clear Creek, CA during a drought. Matt Brown
9:40	Assessing vulnerability of Pacific salmon to climate-driven changes in riverine thermal heterogeneity Aimee H. Fullerton	Bay gobies as a model of evolution and endangerment in California estuaries David K. Jacobs	Effects of invasive Red Swamp Crayfish on Southern Steelhead Trout habitat in Topanga Creek. Crystal Garcia	What current monitoring can and cannot tell us about drought and drought-related management effects on Central Valley winter-run Chinook Salmon. Brett N. Harvey
10:00	Break			
Time	12. Monitoring, Management and Metapopulation Heather McIntire	13. Technologies and Techniques Russell Barabe	14. Human-Assisted Methods for Fish Reintroduction Rhonda Reed / Carlos Garza	15. Monitoring and Mitigating Impacts from California's Continuing Drought Michelle Workman
10:20	Managing for more: large woody material in Santa Cruz County streams for Steelhead and Coho Salmon habitat Kristen Kittleson	Developing sensory-based bycatch reduction technologies for gillnet fisheries Joel T. Barkan	Genetic broodstock management of endangered coho salmon (<i>Oncorhynchus kisutch</i>): a tale of two conservation hatchery programs Elizabeth A. Gilbert-Horvath	Synthesizing Drought Effects on Delta Smelt and Their Habitat: Application of a Conceptual Model Louise Conrad
10:40	Using Southern California Steelhead monitoring and research to inform management activities Dana McCanne	Evaluation of the standardized electrofishing project for the Upper Colorado River Endangered Fish Recovery Program James B. Reynolds	Options for restoration of salmon populations at very low abundance John Carlos Garza	To truck or not to truck - development, use, and assessment of Coleman National Fish Hatchery trucking triggers in an extreme drought year James (Jim) G. Smith
11:00	Developing objectives for Stanislaus River salmonids: the San Joaquin Tributary Settlement Process Science Evaluation Process John M. Shelton	Using Bayesian state-space models to quantify movement through isoscapes: Life-history diversity in migrations of imperiled salmon Corey C. Phillis	Re-inventing Fish Passage - the Whooshh Way Vincent E. Bryan	Drought decisions in a highly impacted California River: Using umbrella species to inform water management Kirsten L. Sellheim
11:20	Temporal genetic analysis of the endangered Tidewater Goby: metapopulation dynamics or drift in isolation? Andrew Kinziger	Large and small scale fisheries applications of Passive Integrated Transponder tags and new IS1001-MTS reader system Steve Anglea	Resistance Board Weir - a versatile fisheries management tool with applications worldwide Jesse T. Anderson	Drought effects on the Scott Creek bar-built estuary and the implications for life history expression by endangered coho salmon (<i>Oncorhynchus kisutch</i>) Ann-Marie K. Osterback
11:45 - 1:30	CalNeva AFS Business Meeting - Resource Center for Nonviolence			

Friday Morning

April 10 Afternoon

Time	Hotel Paradox		
	Sequoia A	Sequoia B	Sequoia C
	16. Sandy Watersheds, Salmonids, and Salamanders: The Linkage Denis Ruttenberg / Barry Hecht	17. Causes and Consequences of Life History Evolution: Where Ecology and Evolution Collide Eric Palcovacs / Joe Merz	18. Defining Fish Habitat Joe Merz / Sean Gallagher
1:40	Sandy watersheds and their habitat hydrology Barry Hecht	Rapid formation of population genetic structure and life history evolution following the introduction and establishment of a non-native anadromous fish Daniel J. Hasselman	Defining fish habitat from a geomorphic perspective Michael P. Beakes
2:00	What we have learned about managing sandy soils in the San Lorenzo River Watershed John A. Ricker	Trends in portfolio effect strength and hatchery supplementation practices in Central Valley fall-run Chinook Salmon Stephanie M. Carlson	Deviation in Coho Salmon life history strategies and freshwater habitats in Coastal Northern California Sean P. Gallagher
2:20	Chambered flow in the Canyon del Rey watershed, time scales of movement in relation to management and ecology Denis Ruttenberg	Life history changes in Blue Rockfish, <i>Sebastes mystinus</i> , before and after overfishing. Katherine Schmidt	Dynamic habitat needs and behavioral responses along the river continuum Katherine N. McElroy
2:40	Narrow windows in sandy streams Devin Best	Adaptive variation associated with <i>Oncorhynchus mykiss</i> life-history strategies (residency vs. anadromy) along its geographic range Alicia Abadia-Cardoso	Emigrating Salmonid Habitat Estimation (ESHE): A web-based tool for estimating habitat needs for outmigrating juvenile salmonids Travis M. Hinkelman
3:00	Break		
3:20	Historical ecology of wetlands in north Monterey County Andrea Woolfolk	Quantifying juvenile phenotype expression and success of Chinook salmon in a regulated river: who survives and why? Anna M. Sturrock	Juvenile Chinook salmon growth and diet patterns in mainstem habitats within the San Joaquin River Restoration Program Steve Blumenshine
3:40	Progress and challenges of managing the 'upside down' Salinas River for public safety, water, and wildlife Paul Robins	Biophysical potential for anadromous life-history expression of steelhead David A. Boughton	Seasonal rearing habitat in a large Mediterranean-climate river - management implications at the southern extent of Pacific salmon (<i>Oncorhynchus</i> spp.) Joe Merz
4:00	Restoration of fluvial processes, floodplains, and habitat in lower Butano Creek Chris Hammersmark	Density-mediate effects of steelhead/rainbow trout on stream ecosystems Corey C. Phillis	
Friday Afternoon			