Agenda

Thursday, June 11, 2015

8:00 am	Doors open
8:30 am – 8:50 am	Welcome and Introductions Ali Forsythe, USBR – San Joaquin River Restoration Program Manager

Session 1: Adult Chinook salmon: Fall and Spring-run Reintroduction

8:50 am – 9:05 am	*Adult Fall-run Chinook salmon Trap and Haul, San Joaquin River, California* **Donald E. Portz, USBR;** Matt Bigelow, CDFW; Patrick Ferguson, CDFW; Charles Hueth, USBR; Shaun Root, USBR; Zachary Sutphin, USBR; Jarod Hutcherson, USBR
9:05 am – 9:15 am	*Acoustic telemetry of adult fall-run Chinook salmon (Oncorhynchus tshawytscha) migration, San Joaquin River, California* **Matt Bigelow, CDFW;** Pat Ferguson, CDFW; Donald Portz, USBR
9:15 am – 9:30 am	*Spawning behavior and habitat selection of Chinook salmon (Oncorhynchus tshawytscha) within the San Joaquin River, California* **Andy J. Shriver, CDFW**
9:30 am – 9:50 am	*Fish Passage Evaluation* **Amanda Peisch-Derby, DWR**
9:50 am – 10:00 am	Morning Break
10:00 am – 10:20 am	*SalSim for SJRRP* **Avry Dotan, AD Consultants; Carl Mesick, USFWS**
10:20 am – 10:40 am	*Spring-running Salmon in the Stanislaus and Tuolumne Rivers and Overview of Spring-run Recovery* **Sierra Franks, NMFS**
10:40 am – 11:00 am	*Genetic considerations in donor stock selection for SJRRP broodstock* **John Carlos Garza, NOAA Fisheries/University of California;** Anthony Clemento, University of California/NOAA Fisheries

Session 2: Temperature Challenges in the San Joaquin River

11:00 am – 11:20 am	*Millerton Lake Temperature Monitoring – A decade of extremes* **Tracy B. Vermeyen, USBR**
11:20 am – 11:40 am	*Two-dimensional water temperature modeling of in-channel and hydraulically connected off-channel zones in Reach 1A of the San Joaquin River* **Daniel Dombroski, USBR;** Blair Greimann, USBR; Yong Lai, USBR; Victor Huang, USBR
11:40 am – 12:00 pm	*Availability of thermal stratification and thermal refugia in the middle San Joaquin River system* **Nathaniel L. Butler, University of California Berkeley**
12:00 pm – 1:00 pm	Lunch

Session 3: Spawning and Incubation

1:00 pm – 1:20 pm	*San Joaquin River Spawning Habitat Suitability* **Elaina Gordon, USBR;** Erica Meyers, CDFW; Andy Shriver, CDFW; Matt Meyers, DWR; Scott McBain, TAC; Carl Mesick, USFWS
1:20 pm – 1:40 pm	*Chinook Salmon spawning within the San Joaquin River Restoration Area: A story of success?* **Nathan Cullen, USFWS**; Joseph Kirsch, USFWS; Zachary Jackson, USFWS; Jimmy Faulkner, USFWS; Andy Shriver, CDFW

1:40 pm – 2:00 pm	*Egg Survival-to-emergence of fall-run Chinook salmon within the San Joaquin River Restoration Area* **Crystal Castle, USFWS;** Joseph Kirsch, USFWS; Zachary Jackson, USFWS; Andy Shriver, CDFW; Michelle Workman, EBMUD
2:00 pm – 2:20 pm	*Assessment of the incubation environment in Chinook salmon redds, San Joaquin River, California* **Andy J. Shriver, CDFW;** Joseph Kirsch, USFWS; Zachary Jackson, USFWS; Matthew Meyers, DWR
2:20 pm – 2:40 pm	*Physical factors and Chinook salmon egg survival: A study to determine the primary Controls* **Matt Meyers, DWR;** Michelle Workman, EBMUD; Joseph Kirsch, USFWS; Andy Shriver, CDFW
2:40 pm – 3:00 pm	Afternoon Break

Session 4: Vegetation and Riparian Ecology

3:00 pm – 3:20 pm	*Modeling Interactions of Flow and Vegetation for Improved Riverine System Management* **Blair Greimann, USBR;** Dan Dombroski, USBR; Yong Lai, USBR; Victor Huang, USBR
3:20 pm – 3:40 pm	*Riparian vegetation mapping and landscape-scale mitigation planning on the San Joaquin River* **Zooey Diggory, Stillwater Sciences;** Rosemary Stefani, USBR
3:40 pm – 4:00 pm	*Multi-benefit Weed Control: the San Joaquin River Invasive Species Management and Jobs Creation Program* **Trevor Meadows, River Partners;** Heyo Tjarks, River Partners; Julie Rentner, River Partners; Stephen Sheppard, River Partners; Andrew Rayburn, River Partners; Sharon Weaver, San Joaquin River Parkway and Conservation Trust, Inc; Jake Salimbene, San Joaquin River Parkway and Conservation Trust, Inc.
4:00 pm – 4:20 pm	*Meeting Multi-Benefit Project Goals in River Restoration – A case study from the San Joaquin River National Wildlife Refuge* **Heyo Tjarks, River Partners;** Julie Rentner, River Partners; Kim Forrest, USFWS; Betty Andrews, ESA PWA; James Gregory, ESA PWA
4:20 pm – 4:40 pm	*Measuring restoration success: Applying the Central Valley Joint Venture population objectives for riparian birds* **Kristen Dybala, Point Blue Conservation Science;** Andrew Rayburn, River Partners; Julie Rentner, River Partners; Thomas Gardali, Point Blue Conservation Science; Nathaniel E. Seavy, Point Blue Conservation Science
4:40 pm – 5:00 pm	*A Selected Review of Riparian Restoration and Revegetation Techniques Applied in the San Joaquin River Basin* **Rhonda Reed, NMFS**

Session 5: Poster Presentations

5:00 pm – 6:30 pm	*Managing precocious maturation in Chinook salmon (Oncorhynchus tshawytscha) captive broodstock* **Paul Adelizi, CDFW**; Jamie McGrath-Castro, CDFW; Brooke Antrim, CDFW; Jennifer Eberly, CDFW
	Two Fish Passage Barrier Removal Projects in the Calaveras River System **Randy Beckwith, DWR**
	Trap and Haul of Chinook salmon: What information is gained and how it could contribute to Program success **Philip Colombano, Contractor for NMFS**
	Relating egg burial depth to size of Chinook salmon (Oncorhynchus tshawytscha) females and their redds in the San Joaquin River, California **Cameron Coronado, AmeriCorps/CCC;** Andy J. Shriver, CDFW
	Reach 1 Gravel Pit Prioritization Concept and Statistical Analysis of Physical Characteristics **Dave Encinas, DWR; Byron Willems, DWR**

Geotechnical Evaluations in the Restoration Area and *Channel Capacities with Respect to Levee Seepage and Stability*
Paul Romero, DWR; S. Greg Farley, DWR

Artificial spawning of fall-run Chinook salmon (Oncorhynchus tshawytscha) on the San Joaquin River, California
Bridget Fletcher, CDFW; Pat Ferguson, CDFW; Matt Bigelow, CDFW

Rotary screw trap site suitability and efficiency assessment on the San Joaquin River, California
Mike Grill, CDFW; Thomas Gromis, CDFW; Pat Ferguson, CDFW; Matt Bigelow, CDFW

Spatial & temporal variation in SJR water $\delta^{18}O$ and fish movement
Cheyenne Hefley, CSU Fresno; Steve Blumenshine, CSU Fresno

Relating spawning habitat quality to the composition of fry emergence: Insights from the fall-run 2014 Chinook salmon (Oncorhynchus tshawytscha) spawning population
Caitlin Jetter, AmeriCorps/CCC; Andy J. Shriver, CDFW; Joseph Kirsch, USFWS; Pat Ferguson, CDFW; Matt Bigelow, CDFW

Soil Suitability Analysis to Inform the Floodplain Productivity Study in Reach 2B
Rebecca Kallio, USBR

Fish Biodiversity Patterns Across the San Joaquin River Restoration Region
Amina Lodhi, CSU Fresno; Dr. Steve Blumenshine, CSU Fresno; Donald E. Portz, USBR; Zachary Jackson, USFWS

Central Valley Flood System Conservation Strategy – Planning Tools, key datasets, and measureable objectives
Ron Melcer Jr, DWR

Determining gravel entrainment thresholds: From tracers to force gauging
Matt Meyers, DWR

Riverbed Substrate Effects on San Joaquin River Lower Trophic Levels
Julio Perez, CSU Fresno; Karen Boortz, CSU Fresno; Steve Blumenshine, CSU Fresno

Frequently Asked Questions (and Answers!) About the San Joaquin River Spring-run Salmon ESA Rule
Rhonda Reed, NMFS; Elif Fehm-Sullivan, NMFS

Central Valley Steelhead Monitoring Plan for the San Joaquin River Restoration Area
Shaun Root, USBR; Don Portz, USBR; Jarod Hutcherson, USBR; Charles Hueth, USBR; Zachary Sutphin, USBR

Fine-scale Vegetation Mapping of the Central Valley of California
Jason Schwenkler, CSU Chico

Sediment-transport monitoring using hydrophones on the San Joaquin River and tributaries
Scott A. Wright, USGS; Mathieu D. Marineau, USGS; Justin T. Minear, USGS

Non-structural fish passage in Reach 1
Marissa Wulff, USGS; J. Toby Minear, USGS; Larry Brown, USGS

Friday, June 12, 2015

8:00 am	Doors open
8:10 am – 8:30 am	Day 2 Welcome Tom Johnson, Restoration Administrator – San Joaquin River Restoration Program

Session 6: Conveyance: Subsidence, Sediment, and Seepage

8:30 am – 8:50 am	*Subsidence Impacts on Channel Capacity along the SJR and Bypass* **Alexis Phillips-Dowell, DWR**
8:50 am – 9:10 am	*Reach 2A Channel and Sediment Monitoring: Implications to Future Flood Capacity and Downstream Sediment Supply* **Bob Mussetter, Tetra Tech;** Dave Encinas, DWR; Paul Romero, DWR
9:10 am – 9:30 am	*Scenario Evaluation with a Data-Driven Hydrologic Tool for Restoration Flow Release Planning* **Mark Tompkins, SJRRP TAC**; Paul Frank, NewFields; Seth Lalonde, NewFields; Scott McBain, SJRRP TAC and McBain Associates
9:30 am – 9:50 am	*San Joaquin River Restoration Program: Groundwater Monitoring Program Overview* **Stephen Lee, USBR;** Katrina Harrison, USBR; Darrin Williams, USBR; Rosalie Schubert, USBR; Carlos Hernandez, USBR
9:50 am – 10:10 am	*Electrical Resistivity Investigation of Fluvial Geomorphology to Evaluate Potential Seepage Conduits to Agricultural Lands along the San Joaquin River, Merced County, California, 2012-2013* **Krishangi Groover, USGS CAWSC;** Matthew Burgess, USGS; James Howle, USGS
10:10 am – 10:20 am	Morning Break

Session 7: Juvenile Chinook salmon

10:20 am – 10:40 am	*"De minimus": What does this mean for the San Joaquin River Restoration Program and the Reintroduction of Spring-run Chinook salmon?* **Erin Strange, NMFS**
10:40 am – 11:00 am	*Juvenile Chinook Salmon Trap and Transport* **Donald E. Portz, USBR;** Charles D. Hueth, USBR; Shaun Root, USBR; Zachary Sutphin, USBR; Jarod Hutcherson, USBR
11:00 am – 11:20 am	*San Joaquin River Restoration: Floodplain Production in a Severe Drought* **Joseph Merz, Cramer Fish Sciences;** Katie McElroy, UC Santa Cruz; Steve Zeug, Cramer Fish Sciences
11:20 pm – 11:40 am	*Juvenile Chinook Salmon Growth and Diet Patterns in SJR Mainstem Habitats* **Steve Blumenshine, CSU Fresno;** Taylor Spaulding, CSU Fresno; James Pearson, Oregon State University; Donald Portz, USBR
11:40 am – 12:00 pm	*Salmon feeding strategies and the bioenergetic modeling of Juvenile Chinook Salmon (Oncorhynchus tshawytscha) growth during a drought in the San Joaquin River, California* **Taylor Spaulding, CSU Fresno;** Steve Blumenshine, CSU Fresno; James Pearson, Oregon State University
12:00 pm – 1:20 pm	Lunch

Session 8: Survival and Predation in the San Joaquin River

1:20 pm – 1:40 pm	*San Joaquin River PIT Tag Monitoring Program: Survival and Travel Speed of Juvenile Emigrating Fall-Run Chinook Salmon (Oncorhynchus tshawytscha*) **Charles D. Hueth, USBR;** Zachary Sutphin, USBR; Donald E. Portz, USBR
1:40 pm – 2:00 pm	*Juvenile Chinook Salmon survival and migration using acoustic tags* **Jerrad Goodell, USFWS;** Michelle Workman, East Bay MUD; Joseph Kirsch, USFWS; Zachary Jackson, USFWS

2:00pm – 2:20 pm	*Assessment of non-native predator movements, diets, and consumption rates: a threat to Chinook Salmon reintroduction?* **Steve Blumenshine, CSU Fresno;** Kyle Griffiths, CSU Fresno; Michelle Workman, EBMUD; Zackary Jackson, USFWS
2:20 pm – 2:40 pm	*Fish Assemblage Inventory and Monitoring Study* **Jarod Hutcherson, USBR;** Jerrad Goodell, USFWS; Michelle Workman, EBMUD; Joseph Kirsch, USFWS; Shaun Root, USBR; Donald Portz, USBR
2:40 pm – 3:00 pm	Wrap up and Awards