

SAN JOAQUIN RIVER  
RESTORATION PROGRAM



# PROGRAM

2018 San Joaquin River Restoration Program Science Meeting

*Collaborating for the Future*

# DAY 1

(AUGUST 22)

8:30 am Venue opens

9:00 am – 9:20 am Opening Remarks – **Donald E. Portz, Ph.D., Program Manager, San Joaquin River Restoration Program, U.S. Bureau of Reclamation**

9:20 am – 11:30 am **Session 1 – Upper Watershed Science and Hydrologic Forecasting**

**Moderator:** Chad Moore, Restoration Flow & Science Coordinator, San Joaquin River Restoration Program, U.S. Bureau of Reclamation

**Speaker 1:** Michael Anderson, Ph.D., P.E., State Climatologist, California Department of Water Resources  
*Observations and Expectations of a Warming World and the San Joaquin Watershed*

**Speaker 2:** Kat Bormann, Project Scientist, Airborne Snow Observatory, National Aeronautics and Space Administration – Jet Propulsion Laboratory

*The Airborne Snow Observatory: high-quality snow measurements for the entire watershed*

**Speaker 3:** Scott Havens, Ph.D., U.S. Department of Agriculture, Agricultural Research Service  
*Operational physical based snow modeling integrated with ASO: advancements and challenges in WY2018*

**Speaker 4:** Mohammad Safeeq, Ph.D., Assistant Adjunct Professor, University of California-Merced  
*Hydrologic Response to Disturbance and Forest Fuel Treatments in Sierra Nevada*

**Speaker 5:** David Rizzardo, P.E., Chief, Snow Surveys Section/Water Supply Forecasting, California Department of Water Resources

*Modernizing the Snow Surveys Program to Improve Runoff Forecasting*

**Speaker 6:** Rufino Gonzalez, P.E., South-Central California Area Office, U.S. Bureau of Reclamation  
*Managing Millerton Lake Water Supply Forecast and Allocations*

11:30 am – 1:00 pm **Lunch on your own**, farmers market across the street at Cesar Chavez Plaza  
Poster presenters – please make sure your poster is up by lunchtime

1:00 pm – 2:00 pm **Janine M. Castro, Ph.D., R.G.**

Geomorphologist, U.S. Fish and Wildlife Service and National Marine Fisheries Service, and Technical Director of the PSU River Restoration Professional Certificate Program

*“Restoration through Collaboration – Examples from the Pacific Northwest”*

2:00 pm – 3:30 pm **Session 2 – Groundwater and Subsidence**

**Moderator:** Mark Morberg, P.L.S., Chief of Surveys and Mapping Branch, U.S. Bureau of Reclamation

**Speaker 1:** Jonathan Traum, P.E., U.S. Geological Survey  
*Monitoring, Data Analysis, and Numerical Simulations of Land Subsidence in the San Joaquin Valley*

**Speaker 2:** Sothea Oeun, Engineer, Water Resources, California Department of Water Resources  
*Subsidence Impacts on Flow Capacity along the San Joaquin River and Eastside Bypass*

**Speaker 3:** Jarrett Martin, P.E., Central California Irrigation District  
*A Viable Solution to Subsidence in California*

**Speaker 4:** Steve Ottemoeller, Water Resources Manager, Friant Water Authority  
*Subsidence – A Critical Challenge to Friant-Kern Canal Water Deliveries*

3:30 pm – 5:00 pm **Poster Session**

5:00 pm **Day 1 Ends**

# DAY 2

(AUGUST 23)

8:00 am Venue opens

8:30 am – 10:20 am **Session 3 – Managed Flows for Restoration: Growing Fish and Food in the San Joaquin Valley**

**Moderator:** Tom Johnson, Restoration Administrator, San Joaquin River Restoration Program

**Speaker 1:** Peter Vorster, Hydrogeographer, The Bay Institute & San Joaquin River Technical Advisory Committee

*Assessing and Managing San Joaquin River Flow Gains and Losses*

**Speaker 2:** Steve Ottemoeller, Water Resources Manager, Friant Water Authority

*Water Management Challenges and Opportunities*

**Speaker 3:** Tom Johnson, Restoration Administrator, San Joaquin River Restoration Program

*Block Flows and Pulse Flows: Putting Theory into Reality*

**Speaker 4:** Scott McBain, San Joaquin River Technical Advisory Committee

*100 Degrees and 267 Miles to Go: Water Temperature Management Considerations in the Upper San Joaquin River*

10:20 am – 10:40 am Break

10:40 am – 11:30 am **Pop up talks!**

*Benefits of the Open and Transparent Water Data Act for the San Joaquin River Restoration Program*

**Mark Tompkins, San Joaquin River Restoration Program Technical Advisory Committee**

*Multi-Benefit Weed Control: The San Joaquin River Invasive Species Management and Jobs Creation Project*

**Jeff Holt, River Partners**

*Floodplain Grading and Revegetation Preliminary Design of Reach 2B*

**Blair Greimann, U.S. Bureau of Reclamation**

*Two-dimensional Hydraulic, Vegetation, and Sediment Modeling of Preliminary Reach 2B Improvements*

**Dan Dombroski, U.S. Bureau of Reclamation**

*A Tool for Predicting the Effect of Flow and Sand Accumulation on Salmonid Egg Survival*

**Matthew A. Meyers, Ph.D., P.G., California Department of Water Resources**

*The Floodplain Expansion and Ecosystem Restoration Project at Dos Rios Ranch*

**Jason Faridi, River Partners**

*Trinity River Restoration Program Overview*

**Caryn Hunt DeCarlo, Executive Director, Trinity River Restoration Program**

*Trinity River Restoration Program Outreach*

**Kevin Held, Outreach Coordinator, Trinity River Restoration Program**

11:30 am – 1:00 pm Lunch on your own

1:00 pm – 2:30 pm **Session 4 – Overcoming Obstacles in Improving Fish Passage in California Waterways**

**Moderator:** Paul Romero, Supervising Engineer, California Department of Water Resources

**Speaker 1:** Jeremy Lorberau, P.E., Technical Services Center, U.S. Bureau of Reclamation

*Numerical and Physical Modeling of the Compact Bypass Control Structure and Fish Ladder*

**Speaker 2:** Alexis Phillips-Dowell, P.E., California Department of Water Resources

*Chowchilla Bypass Fish Passage Dilemma*

**Speaker 3:** Seth Gentzler, P.E., AECOM

*Fish Passage Design Challenges Associated with the San Clemente Dam Removal Project*

# DAY 2

(AUGUST 23 - CONTINUED)

**Speaker 4:** Anne Elston, Pacific States Marine Fisheries Commission

*Statewide Inventory of Anadromous Fish Passage Barriers and Its Importance in Restoring Habitat Connectivity*

2:30 pm – 2:50 pm Break

2:50 pm – 5:00 pm **Session 5 – Spring-run Chinook Salmon: Understanding and Rebuilding the Central Valley's Most Prolific Historical Run**

**Moderator:** Donnie Ratcliff, Central Valley Supervisor, U.S. Fish and Wildlife Service

**Speaker 1:** John Carlos Garza, National Oceanic and Atmospheric Administration – Southwest Fisheries Science Center and University of California Santa Cruz

*Genetic Analysis Informs Reintroduction of Spring-run Chinook Salmon to the San Joaquin River*

**Speaker 2:** Paul Adelizi, California Department of Fish and Wildlife

*Interim Salmon Conservation and Research Facility Operations for the SJRRP*

**Speaker 3:** Pat Ferguson, California Department of Fish and Wildlife

*Spring-run Holding and Spawning*

**Speaker 4:** Zachary Sutphin, U.S. Bureau of Reclamation

*San Joaquin River Rotary Screw Trap Monitoring*

**Speaker 5:** Colby Hause, University of California Davis

*Spring-run Smolt Survival from the Restoration Area to the Ocean*

**Speaker 6:** Hilary Glenn, National Marine Fisheries Service

*The Status of Central Valley Spring-run Chinook Salmon*

5:00 pm Meeting Adjourns

5:30 pm Please make sure all posters are removed by 5:30 pm