

**NORTHERN CALIFORNIA WATER FACILITIES & FISHERIES TOUR**  
**October 7-9, 2009**

**Sponsored by:**     **Water Education Foundation**

**Tour staff:**        **Rebecca Scott**, *Events/Tour Director, Water Education Foundation*  
                  **Rita Schmidt Sudman**, *Executive Director, Water Education Foundation*

**Resource speakers:**     **Todd Hillaire**, *Chief, Flood Management Section, California Department of Water Resources (DWR), Northern District*  
                                  **Peggy Manza**, *Hydraulic Engineer, Bureau of Reclamation Central Valley Operations*  
                                  **John Merz**, *President, Sacramento River Preservation Trust*

**DAY 1: SACRAMENTO, WEDNESDAY, October 7, 2009**

**7:30 a.m.**     **CHECK-IN**, Special Events bus area at Terminal B, Sacramento International Airport. Look for ALL WEST bus.

**8:00 a.m.**     **DEPART** for California Farm Bureau Federation, 2300 River Plaza Dr.

**Route:** I-5 south to Garden Highway, turn right. Right on Gateway Oaks, left on River Plaza.

**8:30 a.m.**     **ARRIVE** California Farm Bureau Federation

**8:45 a.m.**     **BRIEFING** on northern California water issues:

**Speaker:**

Water supply, water quality, regional planning, flood control, agricultural water use, water transfers, and Northern California water concerns

**Donn Zea**, *President & CEO, Northern California Water Association*

**Gary Bardini**, *Chief of Hydrology and Flood Operations Office, DWR*

**9:45 a.m.**     **DEPART** for Plumas Lakes, Yuba County

**Route:** I-5 to H 99 to H70 north. Left on Feather River Blvd. to Ave. 512.

**En Route:** flood control and growth concerns on the Feather River

**Speaker:**

**Mike Hardesty**, *General Manager, Reclamation District 2068*

**10:15 a.m.**   **ARRIVE** Plumas Lake development

View Bear River set back levee. Levels of flood protection, liability, levee habitat guidelines. Tour of Feather River setback levee active construction activity in south Yuba County.

**Speakers:**

**Todd Hillaire**, Chief, Flood Management Section, California Dept. of Water Resources, Northern District

**Doug Handen**, Construction Manager, Three Rivers Levee Improvement Authority

**Dan Wanket**, GEI Engineer

**11:00 a.m. DEPART** for Marysville

**Route:** Feather River Blvd to 70N. 70 becomes E St. in Marysville. Continue north on E and bear left onto 10<sup>th</sup> St., turn right on F Street and the YCWA office is at 1220 F on the left side of Street.

**En Route:** Rice and field crops, orchards, Sacramento River flood control and levee system. Yolo and Sutter Bypasses. Pressures of development in flood plains.

**Speaker:**

**Mike Hardesty**, General Manager, Reclamation District 2068

**11:45 a.m. ARRIVE** Marysville, Yuba County Water Agency

Yuba County Accord, water transfers, drought planning

**Speaker: Curt Aikens**, General Manager, Yuba County Water Agency

**12:45 p.m. DEPART** for Feather River Fish Hatchery.

**Route:** Left on 13<sup>th</sup>, Left on G, Right on 10<sup>th</sup>, 0 to right on H99. Right on E. Hamilton around Thermolito Afterbay. Left on Larkin to right on 162 east (Oro Dam Blvd) to Hwy 70 North. Montgomery exit. Left on Tbl Mountain Blvd (round about). Left into fish hatchery.

**En route:** State Water Project operations, FERC relicensing for Oroville Dam. DWR's Bulletin 160-05, the California Water Plan

**Speaker:**

**Todd Hillaire**, Chief, Flood Management Section, California Dept. of Water Resources, Northern District

Feather River restoration, FERC implementation work, and biological opinion fishery and water management issues

**Stacy Cepello**, Environmental Program Manager, Oroville Field Division, DWR

**1:45 p.m. ARRIVE** Feather River Fish Hatchery.

**Speaker:** *John Ford, Department of Water Resources*

**2:30 p.m. DEPART** for Oroville Dam Overlook and Power Plant

**Route:** Exit right from fish hatchery (Washington). Straight through roundabout. Left on Orange, which becomes Oro Dam Rd. Becomes 162 (Olive). Left on Canyon Dr.

**2:50 p.m. ARRIVE** Oroville Dam. Discuss State Water Project and Oroville Dam. Drive over dam.

**3:25 p.m. DEPART** from dam for Butte Creek Siphon

**Route:** Down hill from power plant, Oroville Dam Rd. right on Montgomery

**3:45 p.m.** Leave DWR speakers at Montgomery just before freeway. Continue to left on 70S to Richvale highway (162), to right on Midway after railroad tracks to left on Nelson West to gravel road on west side of Butte Creek (after second bridge) Pick up speakers at Butte Creek. Up road to siphon (CALFED Category 3 restoration project).

**En route:** Rice farming, CALFED Category 3 restoration project on Butte Creek

**Speakers:**

*Ted Trimble, General Manager, Western Canal Water District*

*Eric Larrabee, President, Western Canal Water District*

*Allen Harthorn, Executive Director, Friends of Butte Creek*

**4:15 p.m. ARRIVE** siphon. Discuss restoration projects and fish populations.

**Speakers:**

*Ted Trimble, General Manager, Western Canal Water District*

*Eric Larrabee, President, Western Canal Water District*

**4:45 p.m. DEPART** for Chico Holiday Inn.

**Route:** Midway to right on East Park Ave. to Hwy. 99N to Chico. Cohasset exit. Left on Mangrove. Left on Manzanita/Cohasset to Holiday Inn.

**5:15 p.m. ARRIVE** Chico Holiday Inn, 685 Manzanita Ct., Chico, CA 95926, 530-345-2491.

**6:30 p.m. DEPART** Holiday Inn for barbecue at Eric Larrabee's duck club.

**Route:** Left out of hotel driveway onto Mangrove Ave. Mangrove becomes Pine. Right on H32, which is E. 8<sup>th</sup> St. H32 turns left on Walnut St., which becomes Dayton Rd. Right on Ord Ferry Rd. through Dayton, then left on Seven Mile Lane. Duck club is on the left, just before Nelson Rd.

**7:00 p.m. ARRIVE** Eric Larrabee's duck club

**Welcome:**

***Eric Larrabee & Lance Tennis, Directors, Western Canal Water District***

Feather River diverters cold water settlement agreement

**Speaker: *Ted Trimble, Western Canal Water District***

**9:00 p.m. DEPART** for hotel.

**Route:** Right on 7 Mile Slough, Right on Ord Ferry, Left Right H32 (W Ninth St). Left on Cypress. Veer right onto Mangrove.

**DAY 2: THURSDAY, October 8, 2009**

**7:00 a.m. BREAKFAST**, Chico Holiday Inn.

**7:30 a.m. Speakers:**

Northern Sacramento Valley Groundwater Conditions

***Dan McManus, hydrogeologist, California Dept. of Water Resources, Northern Section***

Preserving the Williamson Act

***John Gamper, Director of Taxation and Land Use, California Farm Bureau Federation***

Looking Back 25 Years

**John Merz, Executive Director, Executive Director, Sacramento River Preservation Trust**

**9:00 a.m. DEPART** for Woodson Bridge County Park

**Route:** 99 north, left at South Ave. (A9) (Corning turnoff) to left into Woodson Bridge County Park (after State Recreation Area entrance)

**En route:**

Sacramento River valley cooperative planning

***Aric Lester, project manager, California Dept. of Water Resources***

**9:30 a.m. ARRIVE** Woodson Bridge County Park (Tehama County River Park)

**Speaker:**

Woodson Bridge and Kopta Slough, river meanders, flood plains and erosion control on the Sacramento River.

**Aric Lester**, project manager, California Dept. of Water Resources  
**Ryan Luster**, Sacramento River Project, The Nature Conservancy

**10:15 a.m. DEPART** for Red Bluff Diversion Dam.

**Route:** West on H 32, right on Road 202, which becomes Capay, then Hall. Continue on A9 past town of Tehama. Cross tracks. Right on 99W (continues as A8). Right on Altube (U.S. Bureau of Reclamation sign) past “No Entry” sign to office Bldg. Pick up guide (Paul), continue to Red Bluff Diversion Dam.

**En route:**

Sacramento River valley cooperative planning (cont.)

**Aric Lester**, project manager, California Dept. of Water Resources

Central Valley Project (CVP), CVP Improvement Act (CVPIA) and Red Bluff Dam operations.

**Peggy Manza**, Hydraulic Engineer, Bureau of Reclamation  
Central Valley Operations

**11:00 a.m. ARRIVE** Red Bluff Diversion Dam. Functioning of dam, concern in community of Red Bluff. Salmon fisheries, relationship to state water issues, irrigation canal. Green Sturgeon ESA listing.

**Speakers:**

**Paul Freeman**, Division Chief, Red Bluff Diversion Dam, U.S. Bureau of Reclamation

**Tom Kisanuki**, Deputy Project Leader, U.S. Fish & Wildlife Service

**Jeff Sutton**, General Manager, Tehama Colusa Canal Authority

**12:00 p.m. DEPART** Red Bluff Diversion Dam for lunch at Sacramento River Discovery Center.

**Route:** Return to A8 towards Red Bluff. Turn left at 2<sup>nd</sup> light to I-5 North, exit to right on H36 (toward Mt. Lassen), turn right on Sale Lane. Travel about 2-1/2 miles to Sacramento River Discovery Center. Left at stop sign to Visitor’s Center.

**12:15 p.m. ARRIVE** Sacramento River Discovery Center.

**LUNCH:** Group Campground, Lake Red Bluff

Water Conference Committee and the latest in the water debate

**Speaker: Assemblyman Jim Nielsen**, 2<sup>nd</sup> District

New possibilities: a new more efficient pump station and extension of the Tehama-Colusa Canal to Solano County to address Delta Reoperation, Delta Smelt Rearing, Water Quality, and Water Supplies in Yolo and Solano Counties

**Speaker:** *Jeff Sutton, General Manager, Tehama Colusa Canal Authority*

**1:30 p.m. DEPART** for Shasta Dam

**Route:** Sail Lane to left on Antelope to I-5 North. Exit Pine Grove (left), right on Lake Blvd. to Shasta Dam Powerhouse. Drive out on the Dam, pick up guide.

**En route:** Tehama and Shasta County area water issues. Local groundwater issues. Groundwater and surface water transfers. Economic impacts and environmental justice issues. Four-county groundwater management plan.

**Speakers:**

*Pat Minturn, Public Works Director, Shasta County Water Agency*

*Allan Fulton, U. C. Davis Extension Office, Chairman of the Tehama County AB3030 Groundwater Management Plan Technical Advisory Committee*

CVP operations since the CVPIA. Contracts for delivery of water. Enlarging Shasta.

*Peggy Manza, Hydraulic Engineer, Bureau of Reclamation Central Valley Operations*

**2:30 p.m. ARRIVE** Shasta Dam. Tour of Shasta Dam. Discuss water operations, fishery concerns, temperature control device, the raising of Shasta Dam.

Raising the dam: Shasta Lake Water Resources Investigation

**Speakers:**

*Ryan Murdock, P.E., MWH*

**Tour leader:** *Sheri Harral, U.S. Bureau of Reclamation, Shasta Dam*

**4:00 p.m. DEPART** for houseboat trip and social hour on Shasta Lake.

**Route:** Back to Visitor Center; veer to right. Left at sign to Centimundi. Left to boat launching area.

**Bus route (pickup):** Back to Visitor Center, down Shasta Dam Blvd. To I-5 North. Bridge Bay Road exit. Straight through resort, past shops to boat launch, down ramp to turn around and board tour participants.

**Houseboat pilot:**  
*John Dunlap, retired civil engineer.*

**5:30 p.m. DEPART** for Holiday Inn, 1900 Hilltop Dr., Redding, CA 96001, 530-221-7500.

Show videos/DVDs – “Restoring the Trinity River: The Waters of These Mountains.”

**Route:** I5 South to Cypress exit, turn left at bottom of off ramp. Left on Hilltop to Holiday Inn on left.

**6:00 p.m. ARRIVE** Holiday Inn.

**7:00 p.m. RECEPTION** (no-host), Holiday Inn

**7:30 p.m. DINNER**, Holiday Inn

Bay-Delta Status 101 (and perspectives from Northern CA)

**Speaker:**  
*Mark Oliver, CH2MHill*

### **DAY 3 - FRIDAY, October 9, 2009**

**7:00 a.m. BREAKFAST**, Holiday Inn.

Restoration of premium salmon and steelhead habitat on Battle Creek

**Speaker:**  
*Mary Marshall, Battle Creek restoration project manager, U.S. Bureau of Reclamation*

**8:30 a.m. DEPART** Holiday Inn for Clair Hill-Whiskeytown Dam Overlook

**Route:** Left from Red Lion to 299 West (144W) (do not follow signs to Portland). When freeway ends, follow 299 signs through Redding (Pine then Left); right to Eureka, then left back to 299. Left at Whiskeytown Dam sign.

**En route:** Area water quality issues; industrial and urban uses, fire-scarred areas and erosion potential.

**Speaker:** *Jim Pedri, Central Valley Regional Water Quality Control Board*

**9:00 a.m. ARRIVE** Clair Hill-Whiskeytown Dam Overlook and Visitors Center. Dam operation and power generation, Clear Creek restoration project.

**Speakers:**

**Larry Ball**, Bureau of Reclamation

Clear Creek Restoration

**Matt Brown**, U.S. Fish and Wildlife Service (USFWS)

**9:20 a.m. DEPART** for Spring Creek Debris Dam and Power House

**Route:** Exit dam. Right from dam road to 299 East. Through town of Shasta, left at Iron Mountain Rd./Keswick exit. Drive 3-4 miles to power plant on right.

**En route:** Area water quality issues; industrial and urban uses.

**Speaker: Jim Pedri**, Central Valley Regional Water Quality Control Board

**9:40 a.m. ARRIVE** Spring Creek Debris Dam and Power House. Briefing on heavy metals flowing from Iron Mountain Mine into the Sacramento River. Biological effects

**Speakers:**

**Jim Pedri**, Central Valley Regional Water Quality Control Board

**10:00 a.m. DEPART** for Iron Mountain Mine treatment plant, Superfund clean up site. Discuss industrial pollution and cleanup of Sacramento River.

**Route:** Iron Mountain Rd. to end. Wait at gate. (Caution! Wait for large trucks approaching from opposite direction. Park clear of the main road.)

**10:15 a.m. ARRIVE** Iron Mountain Mine treatment plant for tour & briefing on mine cleanup.

**Speaker: Jim Pedri**, Central Valley Regional Water Quality Control Board

**10:35 a.m. DEPART** for Glenn Colusa Irrigation District (GCID) Fish Passage Improvement Project

**Route:** Return down Iron Mountain Rd. Left on Keswick Dam Rd., over Keswick Reservoir. Right on Quartz Hill Road to bottom of hill. Right on Court St. (Benton on left). Cross bridge over Sacramento River. 299 to I-5

**En route:** Watershed issues; CVP Improvement Act; CALFED framework & Fish Passage Improvement Projects; State Board water rights hearings.

**Speakers:**

*Jim Pedri, Regional Water Quality Control District.*  
*Peggy Manza, Hydraulic Engineer, Bureau of Reclamation*  
*Central Valley Operations*

**Route** to I-5 South. Left on Road 7 (first exit after Liberal Ave. exit). Right on 99W. Left on Road 9 (before cemetery). Left at Road 203 to pump station.

View WEF video: "Groundwater – Conjunctive Use".

Groundwater projects in the Sacramento Valley

**Speaker:**

*Todd Hillaire, Chief, Flood Management Section, California Dept. of Water Resources, Northern District*

## **REST STOP**

**12:15 p.m. ARRIVE** Glenn-Colusa Irrigation District Pump Station for lunch. Briefing on water contracting, district operations to irrigate rice lands, drought planning, Term 91 winter water. Discuss reuse of agricultural water, Stony Creek Fan Proposal, water transfers

**Speakers:**

*Thad Bettner, General Manager, Glenn-Colusa Irrigation District*

**1:45 p.m. DEPART** for Delevan Wildlife Refuge

**Route:** Highway 45 south to right on Maxwell Road to right into refuge (just after crossing Colusa Basin Drain)

Waterfowl habitat, refuges and agricultural lands

**Speaker:**

*Mark Hennelly, California Outdoor Heritage Alliance*

**2:30 p.m. ARRIVE** Delevan Wildlife Refuge

**Speaker and tour guide:**

*Jennifer Isola, Fish & Wildlife Biologist, U.S. Fish Wildlife Service*

*Steve Emmons, Assistant Refuge Manager, U.S. Fish & Wildlife Service*

**3:00 p.m. DEPART** for Sites Reservoir proposed project site.

**Route:** Right on Maxwell Rd. across I-5, pick up speaker at corner of Sites Rd. (3:15) Bear right at Mills Orchards onto Maxwell to site.

**En Route :** Stony Creek Alluvial Fan groundwater storage site discussion. Integrated Storage Investigations (ISI); collaborative process

**Speaker:** Stony Creek Alluvial Fan groundwater storage site discussion  
**Todd Hillaire**, *Chief, Flood Management Section, California Dept. of Water Resources, Northern District*

**3:45 p.m. ARRIVE** Sites Reservoir proposed project site.

Sites Reservoir: a possible site for increasing surface storage

**Speakers:**

**Glen Pearson**, *California Dept. of Water Resources*

**Dave Bogener**, *Environmental Scientist, California Dept. of Water Resources*

**Steve Evans**, *Conservation Director, Friends of the River*

**4:30 p.m. DEPART** for Sacramento Airport.

**Route:** Sites Road to right on I-5.

**6:00 p.m. ARRIVE** at Sacramento Airport.