



**WATER EDUCATION
FOUNDATION**

717 K Street, Suite 317
Sacramento, CA 95814
Phone: (916) 444-6240
FAX: (916) 448-7699
www.watereducation.org

**WATER EDUCATION FOUNDATION
BAY-DELTA TOUR ITINERARY
June 15-17, 2011**

Sponsored by: Water Education Foundation

Tour Staff: *Rebecca Scott, Events/Tour Director, Water Education Foundation*
Rita Schmidt Sudman, Executive Director, Water Education Foundation
Diana Farmer, Administrative Assistant, Water Education Foundation
Susan Lauer, Writer/Special Projects Coordinator, Water Education Foundation

Resources Speakers on busses for the entire tour:

Bruce Herbold, Fisheries Biologist, U.S. EPA
Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, CA Department of Water Resources (DWR) (BUS 1)
John Wilusz, Manager, Delta Levees Subventions Program, DWR (BUS 2)
Susan Fry, Bay-Delta Office Manager, Bureau of Reclamation (BUS 1)
Tony Buelna, Operations Manager, South Central California Area Office (SCCAO), Bureau of Reclamation (BUS 2)

Day 1, WEDNESDAY, JUNE 15, 2011

Delta Stewardship Council, Bay Delta Conservation Plan (BDCP), Delta flow criteria, the north Delta, levees, Delta operations, land use, reclamation, agriculture, fish and wildlife concerns, levees and flood management, through-Delta facilities

7:30 a.m. CHECK-IN, Special Events area, Sacramento International Airport. Look for ALL WEST buses: area is right before Continental Airlines sign in bus area.

8:00 a.m. DEPART for Civic Center, City of West Sacramento

En Route:

Brief introduction and overview of the Delta

Rebecca Scott and Rita Schmidt Sudman

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR **(BUS 1)**

John Wilusz, Manager, Delta Levees Subventions Program, DWR **(BUS 2)**

Point out flood plain of Sacramento River, confluence with American River, legal boundary of the Delta, flood management, discussing flood hazard types, Cash Creek and the Yolo Bypass, the FloodSAFE initiative, Central Valley Flood Protection Plan 2012, vegetation on levees, Sacramento Weir (operation, history and purpose)

Dennis Clark, Project Manager, Sacramento District, U.S. Army Corps of Engineers **(BUS 1)**

Brooke Schlenker, Water Resources Planner, U.S. Army Corps of Engineers **(BUS 2)**

8:30 a.m. ARRIVE Civic Center, City of West Sacramento: Overview of Delta issues

Welcome: Thomas Scheeler, Port Engineer, Port of West Sacramento

Delta Stewardship Council

Joe Grindstaff, Acting Executive Officer, Delta Stewardship Council

Bay Delta Conservation Plan

Karla Nemeth, BDCP Liaison

9:30 a.m. DEPART for Clarksburg.

En route: Discuss port, ship channels, river pilots and US Coast Guard, anticipated salinity and dredge materials, affects of deepening the channel, Yolo bypass, riverine vs. estuarine floods, levee encroachments, levee integrity and inspections, reclamation districts/LMAs, climate change impact on flood management, agricultural water quality/drainage needs, irrigation practices, municipal wastewater disposal, levees, crops, soil.

Dennis Clark, Project Manager, Sacramento District, U.S. Army Corps of Engineers **(BUS 1)**

Brooke Schlenker, Water Resources Planner, U.S. Army Corps of Engineers **(BUS 2)**

General overview of Delta hydrology, general water management and flood control philosophy

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR **(BUS 1)**

John Wilusz, Manager, Delta Levees Subventions Program, DWR **(BUS 2)**

Farmers perspective on the Delta and the future

Greg Merwin and Jeff Merwin, farmers, Clarksburg, Yolo County

10:00 a.m. ARRIVE Clarksburg Community Church at 52910 Netherlands Avenue, Clarksburg, CA 95612

Conveyance of water through the Delta
Katherine Kelly, Bay-Delta Office, Chief, DWR

The pelagic organism decline: causes and consequences
Bruce Herbold, Fisheries Biologist, U.S. EPA

11:00 a.m. DEPART for Delta Cross Channel, Walnut Grove

En route:

Overview of North Delta Project, geomorphic setting of the Delta, subsidence, earthquake risk, dual conveyance, CV flood project, Project vs. non-project levees

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR (**BUS 1**)
John Wilusz, Manager, Delta Levees Subventions Program, DWR (**BUS 2**)

Through-Delta passage to pumps. Central Valley Project operations. The need for the Delta Cross Channel. Coordinated Operations Agreement and drought year operations.

Susan Fry, Bay-Delta Office Manager, Bureau of Reclamation (**BUS 1**)
Tony Buelna, Operations Manager, South Central California Area Office(SCCAO), Bureau of Reclamation (**BUS 2**)

11:30 a.m. ARRIVE Delta Cross Channel. Purpose and operation of Channel.

Explanation of operation of Delta Cross Channel
Susan Fry, Bay-Delta Office Manager, Bureau of Reclamation
Tony Buelna, Operations Manager, South Central California Area Office(SCCAO), Bureau of Reclamation

Note: Takeout for North Bay Aqueduct (DWR) is due west.

11:45 a.m. DEPART for lunch

En route:
History of Ryde Hotel & Hoover
Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR (**BUS 1**)
John Wilusz, Manager, Delta Levees Subventions Program, DWR (**BUS 2**)

12:00 p.m. ARRIVE for lunch at Ryde Hotel

Delta communities, primary and secondary zones, impacts of State proposals on local government.

Mike Machado, *Executive Director, Delta Protection Commission*

East Bay Municipal Utility District's interests and Freeport Facility in the Delta
Randele Kanouse, *Special Assistant to General Manager, East Bay Municipal Utility District*

Delta Watermaster role and recent report on the Reasonable Use Doctrine
Craig Wilson, *Delta Watermaster*

1:30 p.m. DEPART for Sherman Island

En Route:

Delta ecology

Bruce Herbold, *Fisheries Biologist, U.S. EPA (BUS 1)*

Emergency rock stock piles, Decker Island info, Western Delta islands and flood management. Sacramento-San Joaquin Delta Report to Congress: Priority Projects, 100-year flood, Hazard Mitigation Plan Levee Standards

Dennis Clark, *Project Manager, Sacramento District, U.S. Army Corps of Engineers (BUS 1)*

Brooke Schlenker, *Water Resources Planner, U.S. Army Corps of Engineers (BUS 2)*

2:00 p.m. ARRIVE at Sherman Island

Western Delta islands and flood management. Sacramento-San Joaquin Delta Report to Congress: Priority Projects. Delta Islands Levee Feasibility Study (DILFS), the follow-on to DRMS. Relationships of DRMS/DILFS to CVFP/CVIFMS, Statewide Flood Management Plan/California Water Plan, Delta Hydraulics and water quality 101 and levee patrols.

Doug Osugi, *Delta-Suisun Marsh Office, DWR*

Dennis Clark, *Project Manager, Sacramento District, U.S. Army Corps of Engineers*

2:30 p.m. DEPART for Twitchell Island

Speakers:

Delta ecology (**switch busses-BUS 2**)

Bruce Herbold, *Fisheries Biologist, U.S. EPA*

DWR's Delta Levees Program, Subsidence and peat oxidation. Protection of drinking water quality

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR (**BUS 1**)
John Wilusz, Manager, Delta Levees Subventions Program, DWR (**BUS 2**)

2:45 p.m. ARRIVE at Twitchell Island

Carbon sequestration to mitigate climate change

Roger Fujii, Chief, Bay-Delta Programs, CA Water Science Center, U.S. Geological Survey

Brief overview of DWR rice carbon sequestration project and setback levee we will see while driving along Twitchell Island levee

Bryan Brock, Senior Engineer, DWR

3:15 p.m. DEPART for the Port of Stockton

En route: Discuss DWR rice carbon sequestration project on Twitchell. Point out Levee set-back project. Protection of levee and creation of habitat. Geology of Delta.

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR (**BUS 1**)

Bryan Brock, Senior Engineer, DWR (**BUS 2**)

4:15 p.m. ARRIVE at Port of Stockton

Dissolved oxygen issues at the Stockton Deep Water Channel. Navigation Deepening project.

Jeff Wingfield, Environmental Manager, Port of Stockton

4:45 p.m. DEPART for the Stockton Hilton Hotel, 2323 Grand Canal Boulevard Stockton, CA 95207, (209) 957-9090

5:10 p.m. ARRIVE Stockton Hilton Hotel, 2323 Grand Canal Boulevard Stockton, CA 95207, (209) 957-9090

6:10 p.m. DEPART for dinner with Stockton Area Water Suppliers (SAWS) at the Stockton Golf & Country Club, 3800 West Country Club Blvd., Stockton CA

6:30 p.m. Wine tasting with West Coast Grape Farming

7:30 p.m. Dinner with SAWS at the Stockton Golf & Country Club, 3800 West Country Club Blvd., Stockton CA

Welcoming remarks and introductions: SAWS Representative

Guest speaker: Steve Pereira, Photographer

9:00 p.m. Return to hotel

DAY 2, THURSDAY, JUNE 16, 2011

South Delta concerns: floods and levee safety, agriculture and salinity issues; the pumps, fish screens and aqueducts; off-site storage, water quality and treatment, salinity control program, Delta development

7:00 a.m. BREAKFAST

Environmental restoration, flow criteria, conveyance and more

The role of the Delta Conservancy

Campbell Ingram, Executive Officer, The Delta Conservancy

Delta stakeholders' concerns about flow criteria, conveyance and salinity

John Herrick, Counsel, South Delta Water Agency

State and Federal Contractors Water Agency's role and concerns, including conveyance, restoration, flow criteria and illegal diversions out of Delta

Byron Buck, Executive Director, State and Federal Contractors Water Agency

9:00 a.m. DEPART for Clifton Court Forebay.

En route:

South Delta agricultural concerns and salinity issues.

Robert Ferguson, San Joaquin County farmer; director, South Delta Water Agency; member, Delta Protection Commission (BUS 1)

Jerry Robinson, San Joaquin County farmer; director, South Delta Water Agency (BUS 2)

The Federal Pumps and joint operations with DWR. Central Valley Project, part 2.

Susan Fry, Bay-Delta Office Manager, Bureau of Reclamation (BUS 1)

Tony Buelna, Operations Manager, South Central California Area Office(SCCAO), Bureau of Reclamation (BUS 2)

10:00 a.m. ARRIVE at Clifton Court Forebay. Tour of federal Jones Pumping Plant, Fish Conservation and Culture Lab of UC Davis and Skinner Fish Screens.

Bus #1	Bus #2
Start at Jones Pumping Plant. 10:00	Start at FCCL/Fish Facility 10:00
Leave Jones Pumping Plant. 10:40	Leave FCCL/Fish Facility 10:40
.....travel time.....	travel time.....
Arrive FCCL/Fish Facility 10:55	Arrive at Jones Pumping Plant 10:55
Leave FCCL/Fish Facility 11:35	Leave Jones Pumping Plant 11:30

Speakers:

Pat Bell and Steve Larsen, San Luis-Delta Mendota Authority

Joan Lindberg, Director, Fish Conservation and Culture Lab of UC Davis

Representative from Water Resources; Delta Field Division

11:40 a.m. DEPART Skinner Fish Screens for Los Vaqueros Dam and Reservoir

The Federal pumps and Delta Mendota Canal

Susan Fry, Bay-Delta Office Manager, Bureau of Reclamation **(BUS 1)**

Tony Buelna, Operations Manager, South Central California Area Office(SCCAO),
Bureau of Reclamation **(BUS 2)**

The State Water Project.

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR **(BUS 1)**

John Wilusz, Manager, Delta Levees Subventions Program, DWR **(BUS 2)**

En route: Off-stream storage and water quality issues for urban communities in the east Bay region. Los Vaqueros Expansion.

Lucinda Shih, Senior Water Resources Specialist, Contra Costa Water District (CCWD)

Brett Kawakami, Associate Water Resources Specialist, CCWD

12 p.m. Lunch, Los Vaqueros Dam Interpretive Center

Welcoming Remarks: **Marguerite Naillon**, Special Projects Manager, CCWD

1:30 p.m. DEPART for Oakley Big Break Regional Shoreline

History of Delta levee failures, famous major storm years. Urban development in flood zones, flood protection, discuss Delta Coves development and Bethel Island levee issues

Joel Dudas, Delta-Suisun Marsh Office, Senior Engineer, DWR **(BUS 1)**

John Wilusz, Manager, Delta Levees Subventions Program, DWR **(BUS 2)**

2:00 p.m. ARRIVE Oakley Big Break Regional Shoreline

Welcome to park: Delta Discovery Experience and Contra Costa shoreline day use, wildlife observation

Nancy Kaiser, Manager of Interpretive Services, East Bay Regional Parks

Dutch Slough Restoration Project

Patty Finfrock Quickert, Dutch Slough Tidal Marsh Restoration Project, Delta-Suisun Marsh Office, DWR

3:00 p.m. DEPART for tour of Bollman Water Treatment Plant

En route: Water quality issues in the Delta, CCWD's interests and role in securing water quality standards in the Delta

Lucinda Shih, Senior Water Resources Specialist, CCWD

Brett Kawakami, Associate Water Resources Specialist, CCWD

3:45 p.m. ARRIVE Bollman Water Treatment Plant, Contra Costa Water District

Tour and speakers:

Pat Panus, Water Treatment Superintendent, CCWD

Jimmie Abbott, Operations Control Administrator, CCWD

Kevin Vanisko, Water Treatment Supervisor, CCWD

Dave Huey, Water Operations Manager, CCWD

Jessica Edwards-Brandt, Water Quality Superintendent, CCWD

4:30 p.m. DEPART for Lodge at Tiburon, 1651 Tiburon Boulevard, Tiburon, CA 94920
(415) 435-3133

6:00 p.m. ARRIVE Lodge at Tiburon, 1651 Tiburon Boulevard, Tiburon, CA 94920
(415) 435-3133

7:00 p.m. DINNER at Guayma's Mexican Restaurant across the street (please walk over).
We will be having dinner on the top deck overlooking the water.

Welcoming remarks and introductions:

Representative from MWH

DAY 3, FRIDAY, JUNE 17, 2011

San Francisco Bay, risk management and planning for the future, South Bay and regional water management planning, wetland and salt marsh ecosystems.

6:30-7:30 a.m. Continental breakfast in restaurant and patio

8:00 a.m. DEPART for Bay Model, Sausalito (2100 Bridgeway, Sausalito, CA 94965-1753
(415) 332-3870)

8:30 a.m. ARRIVE Bay Model, Sausalito

Overview of San Francisco Bay Area water resources, Integrated Regional Water Management programs: water quality, climate change, wetlands

Paul Helliker, Marin Municipal Water District

Climate change, sea level rise and Delta consequences
Maury Roos, Chief Hydrologist, DWR

10:00 a.m. **Tour of Bay Model:** **Chris Gallagher, Len Cardoza, Richard Jordan**, U.S. Army Corps of Engineers, Bay-Delta Model:

10:45 a.m. **DEPART** for Sausalito - San Francisco Ferry

11:15 a.m. **DEPART** on Sausalito Ferry for San Francisco, Fisherman's Wharf

12:00 p.m. **ARRIVE** San Francisco, Fisherman's Wharf. Walk to Aquarium of the Bay for tour and LUNCH.

The Bay Institute and Aquarium of the Bay, Bay-Delta fishery issues and the work of The Bay Institute and position on these issues

Christina J. Slager, Director of Animal Care, Aquarium of the Bay

Dr. Jonathan Rosenfield, Conservation Biologist, The Bay Institute

Gary Bobker, Rivers and Delta Program Director, The Bay Institute

1:30 p.m. **DEPART** for Rush Ranch, Suisun Marsh.

En route: The importance of wetland ecosystems. Wetland restoration.
Miscellaneous Delta Facts.

Resource speakers

3:30 p.m. **ARRIVE** Rush Ranch.

Welcome and overview of Rush Ranch: **Pam Nelson**, Rush Ranch volunteer

Nature walk and discussion of brackish water marsh ecology, salinity issues, endangered species, waterfowl nesting. Comparison of tidal wetlands vs. seasonal managed marshes. Suisun Marsh Implementation Plan – Coordinating CALFED goals with other agency goals.

Steve Chappell, Executive Director, Suisun Resource Conservation District

Chris Enright, Senior Engineer, Suisun Marsh Plan, DWR

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

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