

2012 Issues of *ESTUARY News* magazine

At a Glance

FEBRUARY 2012: Mapping two species of native pondweed in Suisun Bay; blaming stripers for salmon loss in the Sacramento River; and choosing projects to receive the settlement dollars from the *Cosco Busan* oil spill. Also, asphalt plant on the much-restored Petaluma River; Steve Crooks on blue carbon; climate change impacts on the Delta; and oil spill impacts on herring.

Keywords: climate change, carbon credits, herring, oil spill, pondweed, predation, rivers, salmon, striped bass,

Mentions: DFG-OSPR, ESA-PWA, NMFS, SF State University, UC Davis, USGS-CASCADE

APRIL 2012: Cleaning up derelict vessels on San Francisco Bay; burning the fuel of the future (FOG-fat, oil and grease) to reduce greenhouse gas emissions; designing micro-islands for shorebirds; and studying how fast restored wetlands reach reference conditions. Also, a regional monitoring plan for restored wetlands; an ecological history of the Napa Valley; and the views of three scientists (Swanson, Rosenfield, Winternitz) on the Bay-Delta Conservation Plan's effects analysis.

Keywords: avocets, bay regulation, clean energy, contaminants, delta planning, snowy plovers, wetland restoration

Mentions: BCDC, Cal SWRCB, EBMUD, National Academy of Sciences, Natural Resources Defense Council, SF Bay Joint Venture, SFEI, SFRWQCB, South Bay Salt Pond Restoration Project, The Bay Institute, The Nature Conservancy

JUNE 2012: Measuring fresh water flow in the Delta through the flow station network; restoring wetlands with school kids at Hamilton airbase; accommodating both veterans and terns on Alameda naval base; and testing racks, screens, and lights as deterrents for sturgeon around irrigation intakes. Also, levee vegetation policy; legacy mercury mobilization from salt pond restoration; the downturn in restoration funding; abandoned vessel policy; wetland activist Florence La Riviere; and new greywater-friendly plumbing codes for California.

Keywords: abandoned vessels, environmental education, flood control, flows, greywater, land use, least terns, levees, mercury, sturgeon, pollution, restoration

Mentions: Cal DWR, Cal SCC, Cal SWRCB, EBRPD, Golden Gate Audubon, PRBO-STRAW, the Navy, UC Davis, USCOE, USFWS, USGS

AUGUST 2012: Debating shipboard V shoreside ballast water treatment regulations for California to prevent aquatic invasions; dredging around eelgrass beds, a new federal policy; cataloging creek mouths for resilience; and boating with elected officials to learn about the Bay, a teenager's view. Also sustainable growth in the Central Valley; research on the water temperature range tolerated by hardhead minnows; a national blueprint for water trails; HOA management of private wetlands; a bioblitz of citizen science; and new state dredge and fill protocols for California wetlands.

Keywords: creeks, eelgrass, hardhead minnow, invasive species, land use, living shoreline, native fish, state wetland policy

Mentions: ABAG, Bay Planning Coalition, Cal SCC, Cal SLC, Cal SWRCB, Cal Energy Commission, Great Valley Center, Marin Municipal Water District, Marine Science Institute, NMFS, SFEI, SFEP, SF State University, UC Davis, UC Merced, US Coast Guard, US EPA

NOVEMBER 2012: Investigating the Delta's historical ecology; preventing PCBs in caulk from entering runoff after building demolition; restoring Cullinan Ranch on the San Pablo Bay Wildlife Refuge; and managing drainage from seasonal wetlands in Suisun Marsh, which contain too much mercury and too little oxygen. Also, Japanese tsunami debris arrives on West Coast; two top scientists review key lessons from four decades of Bay ecosystem research; the Mokelumne River Crest to Coast Trail; and a Bay-Delta science conference town hall on how scientists and policymakers can better communicate.

Special Insert: *Flame Retardants in San Francisco Bay, Regional Monitoring Program Fall 2012 Update*

Keywords: drivers of ecological change, ducks, food web, geese, eelgrass, linking science to policy, overbite clam, PCBs, trails, restoration, setback levee, wildlife refuge

Mentions: Cal DFG, EBMUD, SFEI, SFEP, SF State University, UC Davis, USFWS, USGS