

Delta Interagency Invasive Species Coordination (DIISC) Team

Third Quarter Meeting

Tuesday August 20, 2024; 10:00 am – 12:00 pm

Attendees

- Rachel Wigginton, Sacramento-San Joaquin Delta Conservancy (Delta Conservancy)
- Lauren Damon, Delta Conservancy
- Jens Beets – United States Department of Agriculture (USDA)
- Brenda J Grewell – USDA
- Brighton Heard – Westervelt Ecological Services (Westervelt)
- Chad Aakre – Westervelt
- Elizabeth Brusati – Delta Stewardship Council (DSC)
- Jeffrey Caudill – State Parks Division of Boating and Waterways (DBW)
- Edward Hard – DBW
- Erin Donley Marineau – Freshwater Trust
- Trevor Fox – California Department of Food and Agriculture (CDFA)
- Tyler Gross – United States Fish and Wildlife Services (USFWS)
- Jennifer Ketterlin – USFWS
- Thomas Jabusch – California Department of Fish and Wildlife (CDFW)
- Adolfo Nieto – CDFW
- Martha Volkoff – CDFW
- Jessica Vollmer – CDFW Nutria Eradication Program
- Jonathan Thompson – State Lands Commission (SLC)
- Elizabeth Davis – Solano Resource Conservation District (Solano RCD)
- Gabriel Chan - Contra Costa County Agricultural Commissioner's Office
- Omar Luna - San Joaquin County Agricultural Commissioner's Office

Notes

Welcome and Announcements

- Introductions, review history and mission of DIISC team
- Aquatic Weed School 2024, <https://registration.ucdavis.edu/Item/Details/1172>
- California Invasive Species Advisory Committee (CISAC) update
 - Last CISAC quarterly meeting was July 17.
 - At the last meeting, we heard Christine Whitcraft's EDRR Framework Presentation. Hopefully Dr. Whitcraft will present at DIISCT in November.
 - The Rapid Response fund committee has awarded \$100K to a Caulerpa eradication project in San Diego (separate from Newport Bay infestation). There's \$580K left in the fund. Link to application is on ISCC Website under Resource Links.
 - CISAC funds for aquatic invasive species surveys were spent on a boat and hiring a crew from CDFA for 2 years, hoping they start soon, David Kratville and Trevor Fox will hopefully have an update.

- Invasive Species Summit is still being planned, not sure when that will be, construction at the Capitol building seems to be delaying things.
 - Next CISAC meeting is scheduled for Oct 16
- Team member announcements
 - The Bay-Delta Science Conference is taking abstracts for late-breaking posters through September 1. Abstracts being reviewed on a rolling basis. They also extended the early registration deadline to this Friday.
<https://www.baydeltascienceconference.com/poster-sessions>
 - WRP Annual Meeting 2024 Registration and Agenda
 - **Registration** is now open for the October 23-25, 2024 Annual Meeting in Grand Junction, Colorado. The meeting will take place at the Grand Junction Convention Center. Days 1 and 2 will also be live-streamed and recorded for virtual attendance.
 - [Agenda](#)

Early Detection Education

- Brief on National Early Detection, Rapid Response (EDRR) Framework
 - <https://geonarrative.usgs.gov/nationaledrframework/>
 - National EDRR Framework is a set of projects done by several federal agencies working together.
 - Funded by bipartisan infrastructure bill
 - This is year 3 of 5 so things are starting to come out
 - Federal Aquatic Invasive Species Response fund came out of this work
 - SIREN website also about to come out – emerging online resource for invasive species sharing and collaboration
 - A hub of information
 - Will pull in info from other mapping platforms
 - Will request some from United State Geological Survey (USGS) talk to us after it is released – direct relevance to Delta unknown
- Brief on CDFA's Statewide Aquatic Invasives Survey
 - CISAC funds for AIS Surveys were spent on a boat and hiring a crew from CDFA for 2 years, hoping they start soon, David Kratville and Trevor Fox will hopefully have an update.
- Short talks focused on identification for species that could invade the Delta – slides available upon request
 - *Ludwigia peruviana* (Peruvian water primrose)
 - *Ludwigia decurrens* (wingleaf primrose-willow)
 - *Nymphoides peltata* (yellow floating-heart)
 - *Pistia stratiotes* (water lettuce)
 - *Nerodia fasciata* (banded water snake)
 - *Nerodia sipedon* (common water snake)
 - *Hypophthalmichthys molitrix* (Silver carp)
 - *Hypophthalmichthys nobilis* (bighead carp)

Agency Round Robin

- USDA – working on *Vallisneria australis* herbicide trials and biology/phenology. Studies to improve herbicide management, timing and other factors for effective control
- USFWS – Entered into interagency agreement with DBW to treat refuges. Working on programmatic plans for alternative treatments (e.g., drones)
- Westervelt Ecological Services – primary work is mitigation banks, trying to understand invasives better for banks in Delta. Will be regular attendees in future.
- The Freshwater Trust – working on ecological and weed management plans to protect vernal pools, sandhill crane habitats, and other groundwater dependent lands.
- Solano RCD – Ulati creek riparian habitat and other sites require weed control Arundo control, blackberry, etc. A lot of weed control. Late Swainson's hawk nest was found, so controlling tall wheat grass was challenging (bunching grass).
- San Joaquin Agricultural Commissioner's Office – training staff on species that were discussed today. Will be working with delivery companies on packages that contain agriculture and plants, started a dog team. [CDFA - Plant Health - California Dog Teams - Waylon](#)
- Contra Costa County Agricultural Commissioner's Office - will pass on information about species discussed today to staff.
- Delta Conservancy
 - Presenting on EDRR at Aquatic weed school in September.
 - Little Franks Tract invasive species control pilot funded by Prop 1 will start work soon.
- SLC Invasive Sp. Program - no update.
- DBW – partnering with USFWS to control weeds in refuges and will start work in Stone Lakes soon.
- CDFW
 - Zebra mussel shells were found in multiple states including California in shipments of Marimo moss balls for the aquarium trade from a distributor in Florida that reported they received them from Ukraine. At this time, no live zebra mussels have been found in any shipments.
 - Nutria: total number to date 4,832 statewide. Delta: 567 (first 2 taken in Contra Costa County recently near Bethel Island/Antioch/Oakley). Upping survey efforts in Contra Costa County, hunting lands, and private property. Will be integrating more dogs into survey efforts. Picking back up Judas nutria program in the Fall. Seeking additional permits and landowner permissions to access additional areas. Working on a dashboard for website.

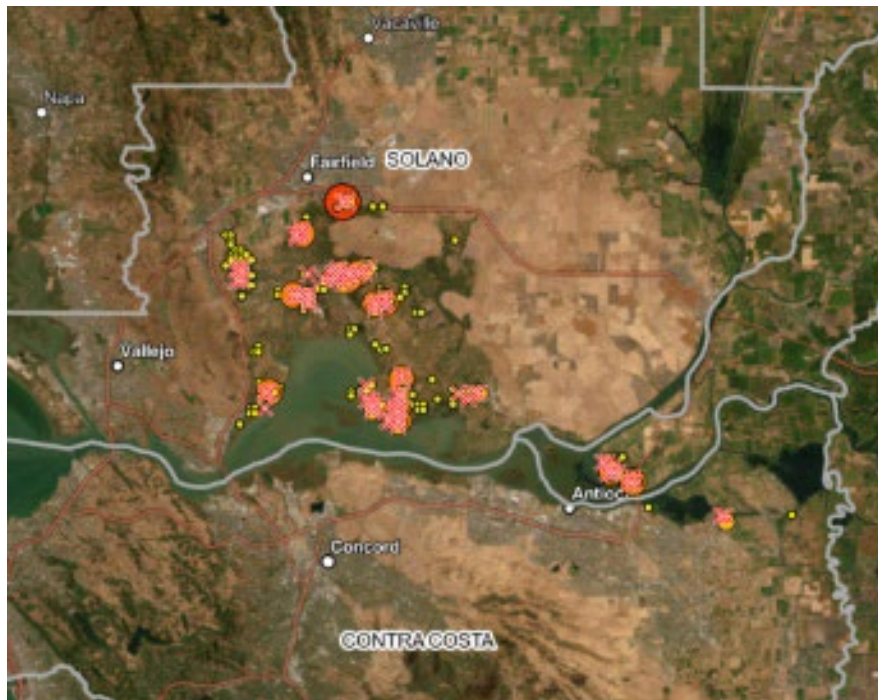


Figure 1. Locations of nutria taken (Red X) and detected (circles) in the Delta

- DSC – Christine Whitcraft’s project on ribbonweed and EDRR recommendations just finished. We will have a presentation and discussion from her at the November meeting. She is also giving a poster at the Bay Delta Science Conference and will speak to the Delta Independent Science Board.
- CDFA – Hydrilla program is continuing to survey Southern and Northern CA. No longer treating Clearlake or Nevada City, but still monitoring. Restarting weed management area programs. Will be releasing request for proposals soon. Want to start funding invasive weed control to counties.

IAV Guidance Working Group

- Goal – develop a quick-start guidance on managing IAV on tidal wetlands.
- Draft to November DIISCT meeting, final version by early 2025.
- Meeting Friday. Reach out to Rachel W. if you want to join.

Wrap-up, Next Meeting, and Action Items

- Next meeting: November 19, 10-noon.
- Email Rachel W. to volunteer for IAV guidance working group.