

Delta Interagency Invasive Species Coordination (DIISC) Team

Fourth Quarter Meeting

Tuesday November 14, 2023; 10:00 am – 12:00 pm

Attendees

- Rachel Wigginton, Sacramento-San Joaquin Delta Conservancy
- Lauren Damon, Sacramento-San Joaquin Delta Conservancy
- Gina Darin, DWR
- Elizabeth Brusati, Delta Stewardship Council
- Ed King, Solano County Ag Commissioner
- Erin Donley Marineau, Freshwater Trust
- Rachel Klopfenstein, Delta Stewardship Council
- Jeffrey Caudill, CA State Parks
- Eddie Hard, CA State Parks DBW
- David Kratville, CDFA Hydrilla Eradication Program and Noxious Weed GM
- Gabriel Chan, Contra Costa Ag Commissioner
- Virginia Gardiner, DPC
- Cesar Blanco, USFWS Regional Aquatic IS Coordinator
- Martha Volkoff, CDFW
- Jonathan Thompson, State Lands Commission, Marine Invasive Species Program
- Ashley Fossett, State Parks
- Gabriel Chan, CCC Ag commissioner
- Nick Rasmussen, DWR

Notes

Welcome and Announcements

- Roster Updates
 - Reminder to remove Kirsten Pringle (DPC) from the roster
- Cal-IPC Symposium Report Out
 - Recorded talks: <https://www.cal-ipc.org/resources/symposium/>
 - Will follow up with details via email since it was so much content
- CISAC Update
 - <http://www.iscc.ca.gov/cisac.html>
 - To sign up for email updates: <https://www.cdfa.ca.gov/subscriptions/#PlantHealth>
 - Restarting statewide invasive species monitoring
 - EDRR funding distribution

Directed Action Update (EDRR and ribbon weed)

- Christine Whitcraft, CSULB
 - Completed a literature review – includes 30 papers from 1980–current
 - Understand taxonomy and species description
 - Ecological role, life history, invasive potential and control efforts
 - This review will be written up and will inform next steps
 - Established interview questions for scientists and stakeholders and have started interviews – will be setting up interviews with DIISCT team
 - First question will be about the person's understanding of what an invasive species is and what it means to them, this will help with reaching a range of expertise and levels within an agency
 - Interviews at least 30 minutes

Agency Round Robin

- Delta Conservancy – Rachel, Lauren
 - Agency funded over \$13M of restoration and subsidence projects, invasive species will be managed on sites
 - Took Board members on field visits, CCCRDC presented on Little Franks Tract
 - Site level EDRR – what can we require of Grantees that they could implement for management of invasives and ensure adequate funding
- CA State Parks – Eddie, Jeff (manager of aquatic weed program)
 - Started using a contractor that can use drones and mechanical harvesting
 - Determining environmental fates of herbicides, also potential toxicity
- CDFA – David Kratville
 - Supervisory position will be advertised eventually, will be adding new team members soon
 - Specialist for noxious weed program is advertised now
 - Hydrilla in clear lake (connected to Delta) – focus on tubers
 - Hydrilla has tubers so can survive many years in dry conditions
 - Tubers are controlled below 55 degrees
 - Extended for 7 years, have reached threshold of 3 generations of no propagation so may not continue treatments, but will continue monitoring
- Solano Co Ag Commissioner – Ed King
 - Finished fruit fly detection trapping this year (historically bad year)
 - Cal-IPC talks of relevance:
 - Sharp shooter (?) eradication program is happening
 - Russian Knapweed invasions in Rio Vista area
 - Butte County made detection of invasive weed in rice fields
 - *Bergia capensis*
 - [Calfora entry](#)

- DWR – Gina Darin and Aquatic Veg PWT (Nick)
 - Fish Restoration Program – developing long-term land management process
 - Weed control is a major component of this
 - Blacklock phragmites studies ended 2021, report submitted 2022
 - Vacancy for program manager – will distribute CalCareers link when available
 - Supporting CDFW’s nutria program
 - Funding genetic study for EDRR of nutria
 - Effective population size
 - We will hear more about nutria soon!
 - Ribbon weed UAV imaging – working on a journal article
 - Presented at Cal-IPC (available via recording above)
 - Additional needs from that talk to come back to DIISCT
- CCC Ag Commissioner – Gabriel Chan
 - Wetlands in Pittsburg
 - Mechanically removed Red sespania
 - Job announcements to be posted
- DPC – Virginia
 - No updates except that we are in final process of filling our Sr. Env Planner position.
- USFWS – Cesar Blanco
 - Large-scale loach in Delta – one detection in San Joaquin, and then another at CVP – using eDNA for increased detections (study in San Luis refuge)
 - Large scale, fine (or small) scale, and weather loach
 - Many detected in San Luis wildlife area – concern about infesting in areas of juvenile salmonid habitat
 - USFWS put a call out for projects developing genetic markers for invasive species – contact Cesar if you have suggestions!
 - Nick mentioned Hydrilla
 - New Zealand Mudsail

- CDFW – Martha Volkoff (within CDFW Fisheries Branch)
 - Program manager for invasive species (all taxa, except nutria)
 - Focus on quagga/zebra mussels
 - Nerodia water snake projects in Roseville and Folsom (6-year removal thus far)
 - 5 years no capture in Roseville (exploring eDNA to confirm eradication)
 - Low captures in Folsom, but spike this year (added site)
 - Trying to prevent them from moving downstream
 - Her program coordinates with regional biologists
 - Working on management plan for mute swans, can be controversial, needs education and outreach
 - Coordinating with tribes and other land management entities to address this statewide
- SLC – Jonathan Thompson
 - Looking for statistics help!
- DSC – Rachael K, and Elizabeth B
 - Funding available:
 - deltacouncil.ca.gov/delta-science-program/research-funding-and-fellowships
 - Working on matching up partnerships within the funding requests
 - <https://www.surveymonkey.com/r/N7X8S9F>
- Freshwater Trust – Erin Donley
 - Our work in CA is focused on groundwater-surface water interactions, groundwater-dependent ecosystems and salmonid populations.
 - Where these efforts currently relate to invasive species:
 - Partnering with Regional San on an in-lieu groundwater recharge project in the Lower Cosumnes River watershed and surrounding ag communities.
 - This project also includes enhancement of riparian, wetland and vernal pool habitats. We are generating we management plans for all of these habitats and would be grateful to lean on the expertise of this group.

Update on 2023 Delta Invasive Species Symposium Planning

- November 30, 2023 8:30 AM – 4:15 PM
- Register to attend the Symposium in person at CNRA building in downtown Sacramento or virtually via Zoom
- Volunteer signups:
 - Nick R.
 - Eddie Hard and others – DBW

Wrap-up, Next Meeting, and Action Items

- 2024 meeting dates – Feb. 13, May 14, Aug. 13, Nov. 19 (to avoid close contact w/ Veteran’s Day Holiday)