

Delta Interagency Invasive Species Coordination (DIISC) Team

Third Quarter Meeting

Tuesday August 9, 2022; 10:00 am – 12:00 pm

Action Items

- Please fill out DIISC Roster - [DIISC Team Roster.xlsx](#)

Notes

1. Welcome and Announcements

- a. CA Invasive Species Action Week report out
 - i. DBW
 1. Delta 311 app
 2. Posters
 3. Video Scripts for forthcoming videos
 4. Social media posts
 - ii. DSP
 1. Social media posts
 - iii. DSC performance measurement
 1. Social media posts
 - iv. DPC
 1. Water quality awareness month is this month
 2. Plan to do social media posts next month on invasive species
 - v. Delta Conservancy
 1. Social media posts
 2. Rachel gave UC ANR/Cal-IPC lunchtime webinar about EDRR
 - vi. CDFW
 1. Coordinated and tried to facilitate other agencies and organizations participating
 2. On the website they advertised 26 events of different types
 3. Youth art contest participation down a bit

4. CISAC – worked on a core social media post that anyone could customize for their organization
 - a. Formed outreach and education subgroup and plan to do more in the future once this group is off the ground
5. Next year's invasive species action week June 3-11, 2023
- b. Cal-IPC Online Symposium registration open (Nov 1-3, 2022, <https://www.cal-ipc.org/resources/symposium/>)
- c. Bay-Delta Social Science Community of Practice
 - i. Social Science Taskforce for the Delta did analysis a few years ago to help Delta social science better inform Delta natural resource management
 - ii. Convened Bay-Delta Social Science Community of Practice last spring
 1. About 70 people have participated
 2. Bringing together the full group again in October
 - iii. Event on October 14th & Oct 20th
 1. Goal is to introduce Social Science Community of Practice to collaborative groups in the Delta, including the DIISCT
 2. Two-part event
 - a. Social science training (Social Science 101) and how it applies to work we do in the Delta
 - b. Followed up about a week later with a collaborative workshop where there will be small group breakout groups to work on mock interdisciplinary proposals
- d. California Invasive Species Advisory Committee (CISAC) Briefing
 - i. Meeting quarterly at this point
 - ii. Last met on July 26th
 - iii. 5 million in FY2021 for invasive species in CDFA fund
 - iv. Making the initial list of funding recommendations wasn't a super smooth process, but those recommendations will be made and presented to the Invasive Species Council of California (ISCC,

<http://www.iscc.ca.gov/>). CISAC hoping ISCC have a meeting to receive recommendations within a month

1. ISCC will consider the recommendations for funding, the updated CISAC charter, and CISAC's recommendations for a future grant funding process for FY2022
- v. Another 5 million dedicated for invasive species in FY2022
 1. Not an ongoing appropriation, happening year to year
 2. Not a sure thing ever until the budget passes
- vi. For this second 5 million, CISAC is hoping to come up with a more organized process for selecting projects for funding
 1. At the July meeting CISAC talked about formalizing this into a grant opportunity that would be administered by CDFA
 2. CISAC formed a subgroup to formulate this process and the basis on which the CISAC will recommend projects - this meeting is on Aug 16th at 1 PM
 - a. Public meeting. If you have experience in granting or are a perspective grantee, please attend
- vii. Formed other subgroups:
 1. Outreach and education subgroup
 2. Task specific subgroups
- viii. Hope to have reoccurring conversations about emerging species
- ix. DIISCT can start working on concepts for future funding application periods
- x. Upcoming meetings
 1. October 25th is next full CISAC meeting
- e. UC Davis Aquatic Weed School Oct 31-Nov 1st
 - i. https://wric.ucdavis.edu/events/aquatic_weed_school_2022.html

2. Review of DIISC Team Roster

- a. Looking for feedback and updated information from DIISCT members

- b. Are there any people or groups or types of groups we are missing?
 - i. Solano RCD – Ben (CCRCD will send a contact for them)
 - ii. CDFW-OSPR MISP
 - 1. Monitor for aquatic invasive species, coast-wide but they are intended to look at the Bay and Delta as well
 - 2. Gina will send a contact for this group
- c. Do you think there are other categories to record on the spreadsheet?
- d. Spreadsheet link:

3. Delta Ribbon Weed Updates

- a. Population Survey of ribbon weed using unmanned aerial vehicles (UAVs)
 - i. DWR team in coordination with DBW
 - ii. Project goals
 - 1. Measure size of all ribbon weed patches using drones
 - 2. Serve as a baseline for determining future patch growth rates
 - 3. Informs decision on approaches for control
 - 4. Facilitates evaluation of control methods
 - iii. UAVs for monitoring
 - 1. Should be possible because it grows to the water's surface
 - a. Usually distinctive looking
 - b. Forms dense monocultures
 - 2. UAVs can quickly cover large areas
 - 3. Hoping to train computer to scan images to increase efficiency
 - 4. This survey method doesn't risk spreading ribbon weed
 - 5. Restrictions on UVA methods
 - a. Must remain within line of sight of operators
 - b. Restricted airspace around airports
 - c. Need permission to image private property
 - d. Ideally need land-based launch area

- iv. As of this meeting, the team has mapped 70% of the 20 known locations of ribbon weed and hope to have a total map by end of August of known locations
 - 1. Will write up a report and share with this DIISCT
- b. CDFW Weed Risk Assessment (WRA) – Martha
 - i. November 2021 DBW requested a WRA
 - 1. This allows DBW to initiate control and treatment if the WRA finds the species invasive
 - 2. WRA is complete and in hands of CDFW management for review
 - a. They have had it in review for a few weeks
 - b. Need to be over to DBW within 60 days
 - ii. Because it's still internal to the agency cannot reveal the conclusions
 - 1. Have an established tool to work through the process and make a recommendation – process is specific to aquatic plants
 - 2. This is the first known occurrence of ribbon weed in North America
 - 3. USGS aquatic weed database – this WRA and weed occurrence data isn't on that database yet
 - a. CDFW will follow up with DBW about getting it on the list
 - 4. Popular aquarium plant, so probably introduced from an aquarium dump
 - 5. Much of the WRA process is a detailed literature review
 - a. Depending on the size of the literature base this can take time
 - b. Plus, CDFW needs to do the search again near the date of the request no matter what pre-research has been done on the species

6. In CA's Aquatic Invasive Species (AIS) management plan there is a decision tree to determine the process for evaluating a certain species

4. Agency Round Robin

- a. Prompt:

- i. Agency representatives introduces themselves (names, positions)
- ii. Provide a brief overview of the invasive species work you want to highlight that has taken place since the last meeting (November – now) and any upcoming work that is relevant.
- iii. Are you facing any challenges you think DIISC Team members could help you address?

- b. Agencies

- i. State Parks Division of Boating and Waterways

1. SAV control program

- a. Demonstration sites with aquathol
- b. Checking to see if this will drift outside the control site

2. FAV

- a. Focusing a lot on the rivers this season

- i. Focused in past on primary and secondary zones of the Delta
- ii. Tuolumne and Stanislaus – lots of water hyacinth and water primrose
- iii. Concern about materials breaking lose and coming into the main delta

3. Delta 311 app

- a. Beta test at 10 marinas – IOS and android
- b. Hope to create a strong venue to citizen reporting

4. Space Act agreement with NASA

- a. 40th year doing this

- b. Creating a dashboard internally to look back at all the data that's been produced and gathered
 - i. Look at patterns of climate (wet and dry) and see how those conditions interact with those control efforts
 - ii. Also looking at different control approaches and how effective they were over time

ii. DWR

- 1. Aquatic Veg PWT Sept 1 PWT 1-4 PM
 - a. Reach out to Gina if you want an invitation
- 2. Wrapping up *Phragmites* control study in Suisun Marsh
 - a. Madison Thomas is project manager and writing up the final Delta Conservancy Prop 1 grant report
 - i. Reach out to Rachel W. for copy of final report from Delta Conservancy
 - b. Hoping to scale up plan to full-scale *Phragmites* control and use some of the lessons learned from the Blacklock revegetation and invasion resistance study
 - c. Hoping to apply lessons learned to nearby large restoration projects (Arnold Slough & Bradmoor Island)
 - d. Team will present at results at Cal-IPC and aquatic weed school at Davis
- 3. Support Nutria eradication

iii. CDFW

- 1. Nerodia eradication in Roseville and Folsom
 - a. Zero captures in Roseville but catching quite a few snakes in Folsom
- 2. New Zealand mud snail surveys across the state
 - a. Martha will make sure they have some data from the Delta

3. Mute Swans
 - a. Get reports from restoration project management
 - b. Have some work to do internally to get recommendations together for control and management
 - c. Please report any impacts of mute swans, CDFW wants to know!
 - i. Submit via invasive species email siting form
 - ii. Particularly interested in connections with rice growers – Email Martha with contacts on this
- iv. Delta Protection Commission
 1. New executive director Bruce Blodgett (more here: https://twitter.com/CA_DPC/status/1539403653596860416)
 2. Late 2022 to early 2023 start date for Great Delta Trail working group and Virginia is specifically interested in getting an invasive species person's eye on the trail establishment plan. How to limit invasion as trail connects habitats?
- v. UCD Extension
 1. No update
- vi. CC RCD
 1. Most of their work is working with DBW to manage habitat sites
 2. Working on Himalayan blackberry control
 3. New Delta Conservancy Prop 1 grant to control/manage terrestrial invasive species at Little Frank's Tract
- vii. SLC
 1. Ballast water discharge performance standards
 - a. Going okay
 - b. Big challenge – logistics for getting access to ships to take samples
 2. Next meeting will update DIISCT on enforcement actions

viii. Sac County WMA

1. Creek survey for Sac DWR

- a. Red Sesbania (*Sesbania punicea*, Scarlet wisteria or rattlebrush) removed that had been transplanted

ix. DSC

1. No updates from planning division

2. HABs workshop coming up

- a. More in a supporting role to the Water Board

3. Social Science Community of Practice events in October

x. Delta Conservancy

1. In July Board meeting, Board voted to fund several projects with invasives species control elements, most notably a grant to CC RCD to pilot methods for controlling terrestrial invasive weeds in Little Frank's Tract

2. Conservancy has been short staffed for ~6 months, but are now back to full capacity