

President's Message - January 2026

Let me say, as probably many others have already said, "HAPPY NEW YEAR" to you and your family and friends. I hope you had enjoyable holidays.

I am looking forward to my new role of Stanislaus Fly Fishers president for the upcoming year of 2026. I plan on working for you to make this an entertaining, informative, and educational experience. Your Board of Directors is diligently continuing their efforts to bring forth subjects that will peak your interest. Such as: **outings**, with an emphasis on local waters and on weekends, with a few others a more distant;. **speakers and presentations** that will broaden your fly fishing skills, the knowledge of the fish world and their habitat; **conservation**. that will allow us present and future generations to sustain and improve the enjoyment of the fly fishing experience; **training and clinics** will be offered for those who want to be introduced to fly fishing, or those who want to further their general overall knowledge and the different techniques of fly fishing, and also, **fly tying** to those who wish to learn to tie their own fly patterns (nothing like catching a fish on a fly you have tied).

We also have our major fundraiser for the Rivers Of Recovery, the "The Fly Fishing Film Festival". Like in the past, this is a momentous event. The films are professionally done and shown as taken in many different locations with a story told and exciting catches. As always, there will be numerous opportunities for you to acquire many valuable fishing items. And enjoy a cold drink with friends.

I anticipate an eventful year for you, so tell a friend, bring a friend. I would like to hear from you with your thoughts and interests. If you would like to help out, I am sure we can accommodate you.

Stanislaus Fly Fishers President 2026 Bob Bullock

Link's Lines – January 2026

Motorcycling and fly fishing, taking the not so convenient or easy route

Act II

Motorcycles, my first and continuing lifelong passion. Not convenient, not as easy as a car (or cage as motorcyclists often call them) but at least for me, something that brings joy into my life.

So what about fly-fishing? Simply, the same can be said of fly-fishing! Not as convenient as gear fishing, set up for a fly rod is an involved process, you just don't grab from the back of the truck and start chucking a Panther Martin. More than that, I feel that for fly fishing, there is a lot of prep, planning, and execution that gear fishing does not seem to have.

Casting, as we all know, is not as easy as gear fishing (all you folks who are just starting out on your casting journey are nodding your heads!). Grab a gear rod, fling that Panther Martin out there! Not so easy to get that Size 14 Parachute Adams drifting in front of a hungry trout.

I have found that fly fishing is a passion, and a passion that I have found grows with time. For me, the difficulty of the sport is part of the equation. Maybe I am just wired weird, but I like things that take a bit of effort. Although I tried to read War and Peace a couple of times, yeah...Nope! Now Tolkien, oh yeah! The Silmarillion though ... so many names!

I digress!

I tend to fish places that are also not so easy to get to, and because of the difficulty, fewer to zero people! I like that! Again, a little bit more effort in my estimation pays large dividends. I just cannot fathom heading out to the lake, setting my chair up, flinging some bait out and drinking beer. I mean I like the drinking beer part, just not the swill that I see a lot of these folks drinking. Ugh, canoe beer! (Need the definition of that, ask me!)

And, in relation to last month's quote, with fly fishing you are in the scene, an active participant.

Truth quote o'the month:

"I fish not because I wish to kill, but because fishing helps me to live. I fish to learn the habits of trout, to cast flies with precision, and occasionally to contend with a worthy adversary." – Theodore Gordon 1854-1915 (American angler and conservationist, credited as the father of American dry fly fishing)

Tight Lines!

~ Link

Club News

... January General Meeting - Tuesday, January 13, 2026

Happy New Year! Our first general meeting of the year will feature Doug Rodricks of Sierra Drifters Guide Service with his presentation "The Eastern Sierra - A Guide's Fresh Look."

Doug Rodricks grew up in sunny southern California and would spend many summers vacationing in Yosemite National Park with his family since before he could crawl. The sights,



sounds, and smells of the outdoors were instilled in him at a young age, as he experienced the beauty of the high country. His interest in trout fishing started at the age of 9, when he witnessed an angler reeling up a trout out of the Merced River. To this day, he still remembers the sun's bright glare reflecting off that fish's iridescent scales. It was this magical and captivating scene that would spawn his passion for fishing. The following year, he hooked his first trout in the gin clear waters of that same river.

Doug continued to fish anywhere and anytime he could throughout his growing years. The majority of his fishing was for trout in the eastern sierra and tuna, yellowtail, dorado, and wahoo off the California coast and Baja peninsula. Doug took up fly fishing at the age of 18 and would practice fly casting after school every evening. He vacationed in Idaho and West Yellowstone one summer, where he experienced drift boat fly fishing for the first time. In 2001, he met Tom Loe in the eastern sierra where he continued the path to learning the most exciting way of catching trout.

His patience, outgoing personality, and teaching techniques have served him well in guiding clients to some of the best fishing areas in the Eastern Sierra. He has a knack for working with beginners and youngsters and finds it very rewarding to watch them catch their first fish on a fly rod. Doug's knowledge of the area and fly fishing techniques have also challenged and rewarded some of the most experienced fly fisherman. Many of our clients claim an outing with Doug is like fishing with a friend they have known for years. Doug has appeared numerous times on the pages and covers of Western

Outdoor News, with his clients displaying their trophy catches accompanied by their smiles.

By learning from his mentor and friend, Tom Loe, Doug soon found himself taking over as the owner of Sierra Drifters Guide Service, where he continues to innovate and provide the best service and instruction to Sierra Drifter's repeat and fast growing customer base. Doug is a USCG licensed captain, and his top of the line Ranger Bay Boat spans 24' in length and sports an impressive 250 HP Mercury Verado; which not only gets you to the biting fish quickly and safely, but employs some of the most cutting edge electronics and fish finding tools available. This vessel can fish up to 4 anglers on Crowley and Bridgeport reservoirs comfortably and with ample room for storage. A 17' Willie Drift Boat is also available for fishing the Lower Owens River which can take up to 3 anglers.

Doug also guides on the best rivers and creeks in the area for catching large trout. Nymphing and streamer fishing are the primary techniques Doug uses during these outings, but when the fish come to the surface to feed, he will switch over to dry fly fishing to catch these beautiful fish. In the winter months Doug rides his clients out to the best fishing spots by snowmobile where you can fish to rainbow trout ranging from 19 - 25" in length.

... New Board Members

Let's welcome the 2026 SFF Board! Your president for 2026 is Bob Bullock. Vice President plus Conservation and Outings Director is John Driver. Treasurer is Paul Wallace. Secretary is Monica Bourke. Membership Director is Barry Kutz. Learning/Instruction Co-ordinator is Crisitie Crawford. Webmaster is Mike Hewitt. F3T/Rivers of Recovery Chair is Derek Coelho. Hospitality Chair is Janice Rinehart. Inventory Meister is Gus Link.

... Notes From the New Treasurer

In the past financial management in the club has been about keeping our money safe and properly accounted. I was not a member before COVID, and after the pandemic we are just glad to still have a club. A budget just wasn't necessary. Incoming President Bullock has realized that the club is growing and to reach our potential we need to be business like in our responsibilities. Bob

has charged me with evaluating the past financial records and creating a budget for the future.

A budget is helpful as it gives everyone in the club permission to carry on with their area of responsibility. If a fish meister wants to plan an outing. She knows what finances she has available. Likewise, if the club wants to do more, there is an easy calculation of how much fundraising is needed. My intention is to get the planning phase done in January-February, and finalize a budget (with sound expense projections) for the March Board Meeting

A good budget is a precise plan for how to carry out the organization's intentions. The beginning of a budget is figuring out a plan of activities and estimate expenses and profits from those activities. So please think about what you want from your club, some ideas could include:

- Professional speakers
- Social activities
- Destination outings and Local outings
- Classes for you to learn skills and Classes where you can pass on your skills
- Conservation projects we support and Conservation projects we physically perform
- Maintaining the annual film festival
- A movie night at the State beyond the film festival
- Support for Rivers Of Recovery or other worthy organizations
- Support for new fly anglers
- Advertising/Marketing/Outreach to new Fishers
- Therapy for recovering gear fishers as they ascend to the FLY 🤢

Finally, how should we support these efforts? For example, should there be a stipend available for a fishmeiser to cover some of the costs of planning and executing an outing?

Please reach out to me if you have ideas to include in the planning process. pwallace@stanislausflyfishers.org or many of you have my cell number.

Please be on the lookout for a Survey in your inbox in the next few weeks. I'll be asking you 10 or 20 questions about what you value in the club's activities.

... Yosemite Rivers Alliance

The Tuolumne River Trust has changed its name and added more rivers to its area of interest. Thus the name Change to Yosemite Rivers Alliance. They will be coming to speak to our club in October 2026.

Peter Drekmeier is their conservation chair and sent me this nice email. I wanted to share with the club. It made me feel like our little club is doing some good in the word. Well done all you members who love the fish and their habitat!

Peter has sent me some information about improving the flows in the Tuolumne between Hetch Hetchy and Kirkwood powerplant. Most of the water released from the dam flows through a pipe to the PG&E Kirkwood power plant. Unfortunately the flows promised to the fish in the river have not been delivered, leaving the fish hot in the summer months. The Yosemite River Alliance is restarting work on getting the promises honored. As they have requests from SFF for help I'll let you all know. If you'd like to read the reports Peter sent me, send me an email and I'll forward them to you. ~Paul

Hi Paul,

The Stanislaus Fly Fishers came a couple of times at the Tuolumne River Technical Advisory Committee meeting this morning. Once for a very impressive clean-up of Turlock Lake State Recreation Area, and another time for a successful fishing expedition for rainbow trout (apparently they're doing well this year).

Congratulations on your successes! -Peter

Please note my new email address.

Peter Drekmeier Policy Director Yosemite Rivers Alliance (Formerly Tuolumne River Trust) peter.drekmeier@yosemiterivers.org

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... GGA&C Club Free Casting Clinic

The <u>free</u> casting clinic is usually held the second Saturday of every month from 9:30 am - 12:00 pm at Golden Gate Park. The next event will be held Saturday, January 10th. The casting event is held rain or shine and is a great way to brush up or improve upon your casting skills. And you get a hot dog lunch! They have poles or bring your own. Please sign up in advance. https://ggacc.org/event-5922118/Registration.

... Outings and Events

The board is working hard to provide a number of group outings and your input and feedback is urged, welcome, and greatly appreciated. Please be free to share your ideas for possible group outings. The board needs to hear about what works for you and what doesn't. Recognizing that we won't be able to satisfy all requests, we are committed to providing as many opportunities as possible. Please, let us hear from you!

Certain members we undoubtedly be wetting their lines on January 1st as the rivers open. If you venture out, please send pictures of your day (and hopefully catch!) for inclusion in the next newsletter. And while we are on that subject, this will be my last newsletter. Our new club secretary Monica Bourke will be taking over that privilege starting with the February newsletter. It's a great help when members supply fishing reports and content for the newsletter, so please share when you can.

Our first recruitment/information booths at the local farmers markets will likely start in late February or early March. Watch for announced dates. These have been a fun way to introduce our club to prospective new members and steer them to our class offerings and public events such as the Fly Fishing Film Tour/Rivers of Recovery fundraiser. We can always use volunteers to work the booths, generally greeting the public and being friendly, and share your thoughts about and experiences fly fishing. Even if you're a newbie, that's okay. Talk about the excitement of learning something new. General chit chat is good as well. It's all about making connections. You never know from where are next new member will come!

We have already secured our house the the Circle 7 Ranch for April 24-26, 2026! Signups will be taken after the first of the year. \$150 deposit holds your spot. There is space for ten at the ranch and we need to fill all ten spots to keep

the price as low as possible. \$275 covers two nights lodging. Pram rentals are \$100/day which can be split between two people. This is a great trip and worth the drive!



... Open Fly Tying Night, Tuesday, January 20th

Our fly tying night is always on the third Tuesday of each month. Hank Olson and the FF staff have been great to work with in providing us space, great food, and tasty libations for our nights. The fly night is held at Food Fix at 938 11th Street (between I and J Streets) in Modesto. This is easily accessible and food and beverages are available. These are loosely structured show-up-and-tie affairs with flexibility. Tie whatever you want, but there may occasionally be a target pattern for those interested in learning a new fly or in perfecting one.

Tying will usually start around 6:00 - 6:30 pm and the session will wrap up no later than 8:30 pm. BYO tying gear please.

... 2026 SFF Dues

Dues for 2026 will be payable January 1st. Please remit your dues early along with your membership form and a signed liability waiver. Dues can be paid in person at any general meeting, by check mailed to Dennis Stambaugh, or by Venmo. Links to forms and mailing and Venmo info are here.

We are following the lead of other fly fishing clubs and requiring all members to sign a hold-harmless waiver when they join or renew their membership. Any guests attending an outing will be required to sign the same agreement before participating. A copy of the waiver can be downloaded here and mailed to Dennis Stambaugh at the same address linked above. Waivers will also be available at the general meeting.

... Classes/Workshops

Stay tuned for information regarding possible classes to be announced. Fly Tying 101 will start at some point in March. Paul is mulling over a start date for the Fly Fishing 101 class, and John Driver is developing a Fly Fishing 201 class. Pop-up casting clinics will be offered periodically.

... Club Communications

The board is seeking some help with club communication and management. We always want to reach out to everyone interested in a club event. But we also never want to be a pest with the frequent marketing emails we despise. President Paul is looking for a software solution that would help with all aspects of managing our club, from announcements and signups for outings and events, to tracking our successes at volunteering and training, to soliciting donations and handling electronic payments. I know there are software products out there from Eventbrite to MailChimp to a variety of non-profit management apps. I'm sure there is a way to segregate our members by interests, so a person gets everything of interest, but no irrelevant annoyances.

Our two requests of you:

- 1) Please share with Paul or any board member your desire for how the club would communicate and do business with you. Text vs email. Would you like to make online payments, and how credit/debit/Venmo? If you organize something, how would you like to interact with your fellow members? Any experience you have with other organizations for us to copy or avoid?
- 2) If you have any experience with these apps, please share it with me or another board member.

... Notes From the Club Inventory Meister

On the list for this update:

- Wading boots in 6-8-9 & 11
- Small size (W) waders, kid waders.
- For any float tubers, pontoon boat folks, if you need a set of fins, let me know.
- We have 2 sets of Force Float Tube Fins. These things are beasts! New, they are quite expensive, we want \$100 per set.
- We also have 2 sets of over the boot fins, probably Caddis brand, \$20.
- Last thing is a nice fold up anchor, w/line and float, \$20.

Interested? Let me know, flylink48@gmail.com or ask me at a meeting. I will schedule sell nights throughout the year. As always, prices are negotiable.

Any other questions? Please let me know.

~ Link



Putah Creek - Background Information

The Heritage and Wild Trout Program (HWTP) of the California Department of Fish and Wildlife designated the Putah Creek Interdam Reach (IDR) from Monticello Dam to Lake Solano (with five public access areas) as a Wild Trout water in 2014 and added Lake Solano in 2015. During the evaluation of the Putah Creek IDR and Lake Solano for Wild Trout designation, which took several years, Putah Creek Trout and its partners have provided volunteer resources and support to HWTP, including angler use surveys, population monitoring, fish movement telemetry, and spawning and gravel scarification studies. As a Wild Trout water, CDFW has implemented a resource management plan to monitor and protect the wild trout fishery, while supporting public access and enjoyment.

Putah Creek Cleanup/Restoration Project (January 10, 2026)

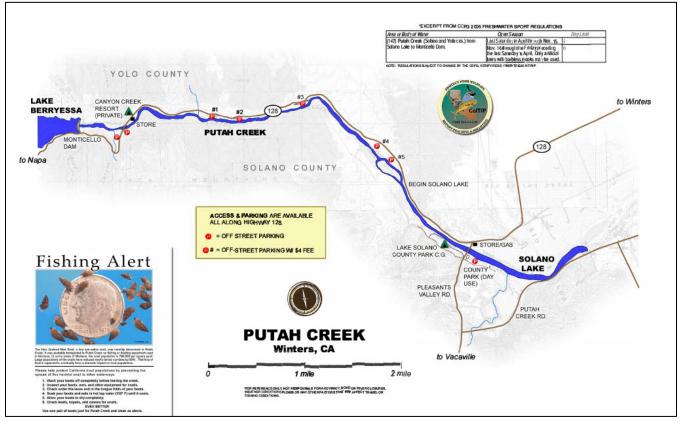
Over the years, Putah Creek Trout and its partners have undertaken a series of cleanups on Putah Creek, the latest being on September 20th on National Cleanup Day. In conjunction with California Fish and Wildlife (and Yolo County), NCCFFI (Northern California Fly Fishers International) is planning a general clean up at Putah Creek on Saturday, January 10, 2026, that will cover key access points and include garbage clean up as well as other restoration work to be done. Since Putah Creek is the closest Heritage and Wild Trout stream to the San Francisco Bay Area and Sacramento, we are asking local fly clubs to put the word out and solicit volunteers to help with this effort on January 10th. We will send out additional information about this cleanup effort in December and ask people to sign up on the NCCFFI website at that time (complete details to be announced in the December RiverMouth). The general plan is to start working early in the morning on January 10th and finish early in the afternoon...at which time lunch will be served to all the volunteers (details pending). Please save the date (January 10th) and join us to care for Putah Creek.

To sign up, go to the NCCFFI Website (<u>www.nccffi.org</u>).









NCCFFI President's Message January 2026

I hope everyone has had a great holiday season, sharing time with family and friends, and hopefully getting out fly fishing. As Clay Hash noted in the last newsletter, I am assuming the role of President for NCCFFI for 2026 (after the recent election), and I am delighted with the opportunity to serve. I would like to recognize the last two NCCFFI presidents (Mark Rockwell, who served for five years, and Clay Hash, who served for two years). I will do my best to continue the good work that these two have contributed to maintaining, building, and improving the NCCFFI.

Looking forward, we have a full slate of NCCFFI goals and activities for 2026, including...

- Putah Creek Cleanup and Restoration in January (on January 10th, 2026) with follow-up work to be done in May/June and the fall of 2026 (dates to be announced). We currently have over 30 volunteers and hope to reach up to 50. Sign up on our website (www.nccffi.org).
- The Pleasanton Fly-Fishing Show (February 27th March 1st) is our opportunity to engage with the fly fishing community in this major event (to include the President's Lunch February 28th at 12 Noon—Club Leaders, please save the date, Scout Merit Badge Program, communicate and solicit FFI membership, to name some of the key activities. We will reach out to volunteers at the NCCFFI booth later this month and in February.
- NCCFFI participation in Spey-O-Rama (to be held at the Golden Gate Anglers Club in Golden Gate Park on April 17th to 19th). Join us for this fun event and come out to see the best Spey Casters in the world.
- Ah Di Na Final Clean up will be the first week of May 2026 (firm dates to be announced in February) ...to complete the outstanding major work done in fall 2025 (spearheaded by Scott Harrison) ...to finish bathrooms, install bear boxes, and touch up campsites.
- Yuba Fest Event scheduled for September 12th, 2026 (more details to follow).
- Hall of Fame Event scheduled for October 24th, 2026), where we will induct at least one new person to the Hall of Fame (please save the date). We are asking clubs to send in their Hall of Fame nominees by the end of January.

In addition to these activities, we will continue our efforts to build communication and camaraderie among our 28 Fly Clubs in Northern California and Nevada, and serve as a facilitator for this effort to expand (e.g., sharing information, working together on conservation projects). We do intend to focus on what we have proven to do best...Conservation, Fly Casting Skill Development Programs, and help with club management issues (like fundraising ideas, member retention, and recruiting new/younger members). We also plan to build on our relationship with FFI (Fly Fishers International) to demonstrate the added value of FFI for our clubs and to communicate the "Reasons Why to support FFI" and encourage our club members to join FFI. If you have ideas about this, please feel free to reach out to me directly.

I am looking forward to 2026 and wish you all a Happy New Year!

Ron Beltramo NCCFFI President Reach me at rjbeltramo@aol.com or at 415-999-8348

Read the complete January 2026 NCCFFI newsletter *here*.

... For Sale

Past President Jim Bowen has an Outcast OSG Stryker for sale. Original equipment includes seats, oarlocks and oars. After market goodies are Cataract oars, Scotty anchor system, Scotty rod holder, trolling motor plate, new 12volt battery in a case and a Minn-Kota 55lb thrust trolling motor. Trolling motor is almost new. Used once. Can be car topped or broken down and stuffed in a trunk or pickup bed. Asking \$3,250.00. Contact Jim @ 209-604-5826







Christmas Party December 9, 2025

























1600 Exposition Blvd. Sacramento, CA **Hours**

Thurs Jan. 15
11:00 AM - 8:00 PM
Fri Jan. 16
11:00 AM - 8:00 PM
Sat Jan. 17
10:00 AM - 7:00 PM
Sun Jan. 18
10:00 AM - 4:00 PM

\$20 Adult

There is one ticket price. Active Military with Mil ID and youth 15 and under enter for free. Veterans wanting to access a limited number of passes should sign up today at Vettix.com (passes available Tues., Jan. 13, 2026).

Discount coupons, paper OR for your phone, will be available from the following sources and schedule: Paper-only coupons at Big O Tire stores and Papa Murphy's beginning mid-December. We'll post a store list here when available. If you've already signed up for ISE's email list, you don't need to do anything! You'll get your coupon (paper via email, OR digital via text) automatically on Monday, week of expo. If you'd like sign up for our list and get your discount, which you can print or show on your phone, go here right now.

Buy Now

Upcoming Outings and Events

Click here for a link to our Google Calendar.

- Board Meeting January 8, 2026 Track 424
- General Meeting January 13, 2026 Tuolumne River Lodge Doug Rodricks, Sierra Drifters Guide Service
- International Sportsmen's Exposition January 15-18, 2026 Cal Expo Sacramento
- Nature Walk With Yosemite Rivers Alliance January 4, 2026 10am-12:30pm Tuolumne Regional River Park
- Open Fly Tying Night January 20, 2026 Food Fix
- Board Meeting January 22, 2026 Track 424
- General Meeting February 10 Tuolumne River Lodge Brian Pultz, Delta Bass Bugs "Bass"
- Open Fly Tying Night February 17, 2026 Food Fix
- Board Meeting February 26, 2026 Track 424
- Pleasanton Fly Show February 27-28, March 1, 2026
- General Meeting March 10, 2026 Tuolumne River Lodge "BSA Camp" & "Insect Presentation"
- Open Fly Tying Night March 17, 2026 Food Fix
- Board Meeting March 26, 2026 Track 424
- F3T/Rivers of Recovery Fundraiser April 18, 2026 State Theater
- Fall River Outing April 24-26, 2026 Circle 7 Ranch, Fall River Mills



STANISLAUS FLY FISHERS IS A CHARTER
CLUB OF FLY FISHERS INTERNATIONAL AND
MEMBER OF THE NORTHERN CALIFORNIA
COUNCIL OF FLY FISHERS INTERNATIONAL

SFF 2025 Board of Directors

President: Paul Wallace • Vice-President: Bob Bullock • Secretary/Webmaster: Michael
Hewitt • Treasurer/Membership: Dennis Stambaugh • Outings: John Driver
F3T Chair/Outings: Derek Coelho • Programs: Janice Rinehart • Classes Co-ordinator Cristie Crawford • Roger Ringsted • Past President: Gus Link

SFF Membership Information

Membership fees are currently \$45/year. 2026 dues will become payable January 1, 2026. For your convenience, we can accept a credit card for your dues for an additional fee of \$2.00 to cover the cost of the transaction. All SFF memberships are "Family Membership" status; spouses, significant others, and/or children must also be Fly Fishers International members to be official SFF members. FFI General Memberships include you, your spouse or co-habitating partner, and children under 18.

Reminder: Club dues **DO NOT** include FFI dues. FFI dues are paid directly to the FFI and must be maintained regularly since the SFF is an FFI Charter Club. If you are not an FFI Life Member, or do not pay for three years at a time, you must renew your membership yearly! Remember to list the Stanislaus Fly Fishers as your Affiliated Club. This is important due to our Charter Club status as that links you to us on their roster. Application and liability waiver links are below.

Venmo or Mail Membership Dues to:

Dennis Stambaugh 3833 Blue Bird Drive Modesto, CA, 95356

SFF Membership Form SFF Liability Waiver FFI Membership Link

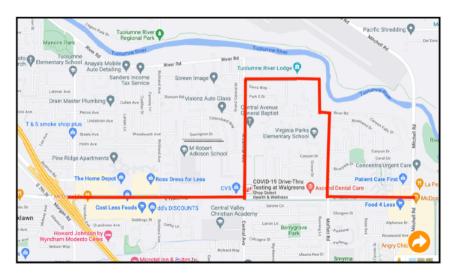


Directions to Tuolumne River Lodge

2429 River Rd, Modesto, CA

From 99 take Hatch Rd east to Central. Left on Central to River Rd. Right on River Rd.

From Mitchell Rd take Hatch Rd west to Moffett Rd. Right on Moffett to River Rd. Left on River Rd.



Aquatic Invasive Species

A Guide to Identifying Threats to California Freshwater Environments



Quagga and Zebra Mussels

Dreissena rostriformis bugensis and D. polymorpha







Zebra mussels attached to native mussel Photo by USFWS

Shell – 2-shelled (bivalve), may have dark colored "threads" on one edge.

Size – From microscopic to up to 2" long. Free-floating (planktonic) larvae are microscopic and cannot be seen by the unaided eye.

Color – Usually alternating light and dark brown stripes, but can also be solid light brown to dark brown.

Didymo or "Rock Snot"

Didymosphenia geminata



Clumps (early stage) of colonized didymo. Photo by Department of Conservation, NZ



Thick mat (advanced stage) of didymo attached to rock. Photo by Tim Daley, PA Department of Environmental Protection

Algae – Appears slimy, but feels coarse, like damp wool. Can look like wet toilet paper in streams.

Size – Starts as small clumps and grows to form thick mats that can cover river and streambeds.

Color - Pale yellowish-brown to white.

New Zealand Mudsnail

Potamopyrgus antipodarum



Elongated shell with 5-6 whorls. Photo by Dan Gustafson



Dense colony of New Zealand mudsnails attached to the underside of a rock. Photo by Robyn Draheim

Shell – Single, elongated, right-handed coiling shell, usually consisting of 5-6 whorls, and an operculum (flap covering the shell opening).

Size – From microscopic up to 1/4" long. Color – Variable, light to dark brown.

Eurasian Watermilfoil Myriophyllum spicatum



Flower spike. Photo by John Somerville, UK



Stems are densely branched. Phot by Alison Fox, University of Florida



Stems and flower spikes. Photo by Idaho State Department of Agriculture

Stems – Branched and 20-30" long, reddish-brown or whitish-pink. Leaves – Arranged circularly around the stem in groups of 3-6 (usually 4). Each leaf is less than 2" long, soft, and feather-like. Flowers – Form spikes 2-4" long that are held above the water. Individual flowers are 1/8-1/4" long, reddish.

Roots – Fibrous, often develop from small pieces broken off larger plant.

Channeled Apple Snail

Pomacea canaliculata



Adult channeled apple snail shell. Photo by Georgia DNR, Wildlife Resources



Egg mass. Photo by Pete Corradino

Shell - Single shell with compact, deeply grooved whorls.

Size - Adult shells can reach up to 3" long.

Color - Yellowish to brown.

Eggs - Eggs laid in masses of 200-600, bright pink to reddish.

Hydrilla

Hydrilla verticillata



Root tubers. Photo by Robert Vidéki, Doronic



Hydrilla stems. Photo by Vic Ramey, University of Florida/IFAS Center for Aquatic Invasive Plants



Saw toothed leaves. Photo by Robert Vidék Doronicum Kft., Bugwood.org

Stems – Slender, branched, up to 25' long, and green.

Leaves – Arranged in groups of 2-8 around the stem, spear-shaped, 1/2-3/4" long and 1/16" wide. Often 1-2 sharp teeth along the underside of the leaf rib.

Flowers – Grow on long stalks and float on the surface of the water. Individual flowers are 1/8-1/4", white or reddish brown. Roots – 1/2" long, white, and may have yellowish, potato-like structures, or tubers, on the ends.

To report invasive species, call 1-866-440-9530 or email Invasives@wildlife.ca.gov