## March Meeting, Tuesday March 29, 2022 7:30 pm @ Stonegate Country Club

# Brian Williamshen Presents: The San Francisco Estuary Watershed

his month, Tuesday March 29, 2022, at Stonegate Country Club, FFD Members will hear from Brian Williamshen, live at the venue, who will discuss the PhD research Brian is conducting at the University Of California, Davis. Brian is a Fly Fishers of Davis Scholarship Recipient. Brian's research ,as a PhD student of the Center For Watershed Science, Involves the San Francisco Estuary (SFE) Watershed, which has experienced major declines of native and pelagic fish populations due to habitat loss, water diversion, non-native species introduction, and declining plankton production. The SFE is surrounded by working landscapes, such as farmland, and the influence of these adjacent landscapes on aquatic ecosystems within the SFE are not well documented. Restoration and management within the North Delta Arc, a region of the SFE that supports native and pelagic fishes, and the surrounding working landscapes has the potential to bolster populations of fish that are currently in decline.

My overarching goal is to examine how working landscapes affect fish assemblages and food production in the upper SFE. I compare water quality with assemblages in five habitats: restored wetland, managed wetland, tidal sloughs, and irrigation canals. Additional experiments examine the effect that agricultural runoff has on phytoplankton production, which influences food webs and assemblage structure.



### THE PREZ SEZ



The Covid-19 Pandemic has been very disruptive for many Clubs. Over the last approximately two years, the Fly Fishers of Davis has pivoted, moving to Zoom for our monthly Club meetings, moving in person meetings to a new venue, and redoing the FFD website. While we have responded well to the new environment, it has been difficult to find volunteers to fill the FFD Board and Directors vacant spots.

<u>At this time, the Fly Fishers of Davis has NO President</u>. If you are a past FFD President, Board Member, or Director and are interested in holding this position for one or two years, please enquire at <u>admin@flyfishersofdavis.org</u>.

Thank you





### **MEETING SCHEDULE**

The meeting schedule has been tentatively set for the next few months. Andan Bailey is the program chair - let him know if you like the program speakers or if you have ideas for one at programs@flyfishersofdavis.org

Fly Fishers of Davis 2022 Meeting Schedule				
MONTH	SPEAKER	DATE	TOPIC	
March	Brian Williamshen	March 29	The San Francisco Estuary Watershed	

## **IT IS TIME TO RENEW YOUR MEMBERSHIP**



### **IMPORTANT MEMBERSHIP RENEWAL DETAILS**

**Website Members**: If you signed up for membership on the new FFD website, you will get an email in the late December/early January timeframe with your renewal details. No need to go to the website before that, so please wait for your renewal information email.

**Website Non-members**: If you're an FFD member, but you did not sign up on the website and you wish to renew your Membership, please stop by the membership table at our next in-person general meeting, and pay your dues with check, cash, or credit card for 2022. You can also send a renewal check to Fly Fishers of Davis, P.O. box 525, Davis, CA, 95617.

**Note:** our preferred method is for website non-members to become website members, by signing up on the website!

Dues for adults and families are still \$30/year, and the student rate is \$15/year. Your dues help to fund almost all club activities — including our superb array of guest speakers, outings, the annual picnic, fly casting and fly tying clinics, our amazing FFD 101 classes, Salmon in the Classroom, and best of all, our contributions to numerous outreach, education And conservation organizations.

Thank you for your generosity and continuing support!



Fly Fishers of Davis is now on Facebook! Like Us and Follow Us to get the Latest updates on Club Events and other News.

Facebook.com/FlyFishersOfDavis



PAGE 4



Winter Class Dates Class Times are 7 pm – 9 pm UCD Horticulture Room

Please Sign up at the next meeting or email Dana Hooper at TroutHookup1@gmail.com or 916-343-9732

If you would like to learn how to catch fish like these.



201 Тор	pics	
Day 1	Wed. March 30	Stripers on the Fly
Day 2	Wed. April 6	Bass on the Fly
Day 3	Wed. April 13	Streamer fishing for Trout
Day 4	Wed. April 20	Still Water Techniques

To sign up for these classes, contact Dana Hooper at trouthookup1@gmail.com so that he can bring enough class materials for everyone.

# CONSERVATION REPORT By Lowell Ashbaugh

Conservation Mailing List Want to keep up on conservation issues in between newsletters? Join the FFD Conservation Google Group list. Click here for instructions on how to join, and search for "FFD-Conservation". Or send an email to Ashbaugh.lowell@gmail.com with your request.

Fly Fishers International published an article on Catch and Release procedures in the Fall/Winter Fly Fisher Magazine. It's not a long read and contains some good information from the organization Keep Fish Wet for keeping fish alive after catching them. Although impacts of catching them can cause

physical and physiological stress, many of them can be mitigated by proper handling. I'll review them here but take a look at the full article.

Most importantly, crimp the hook barb. This dramatically reduces the physical injury and handling time needed to release the fish. You may lose a few

more fish but keeping the line tight after hooking them is good practice and should result in bringing in the fish.

Keep Fish Wet recommends three actions to create the best outcome for the fish. First, minimize air exposure, especially for bigger fish and higher water temperatures. Fish need water in their gills to get oxygen, and warmer water contains less of it.

Second, don't let the fish contact dry or hard surfaces. They need their slime to protect their bodies, and dry, hard surfaces tend to remove it. Keep them in the water and handle them with wet hands or a soft rubber net.

Finally, reduce handling time to a minimum. Take that photo with the fish in the water, or if you must remove it, have the camera all set up so you can pose the fish, snap the photo, and get it back in the water. Keep Fish Wet advises holding your breath while you take the fish out of the water. Get it back in the water before you need to take a breath.

Storing water in reservoirs is important for maintaining freshwater ecosystem health and protecting native species. Stored water also is essential for adapting to the changing climate, especially warming and drought intensification. Yet, reservoir operators often treat environmental objectives as a constraint, rather than as a priority akin to water deliveries for cities and farms. Reservoir management becomes especially challenging during severe droughts when <u>surface</u> water supplies are scarce, and urban and agricultural demands conflict with water supplies needed to maintain healthy waterways and wetlands. In times of drought, most freshwater ecosystems suffer.

This <u>blog post</u> by Andrew Rypel last November examines 2021 water year actions by the federal <u>Central Valley Project</u> (CVP) and the <u>State Water</u> <u>Project</u> (SWP), which sought to maximize water deliveries while meeting environmental regulatory standards in a severe drought. It offers recommendations to better protect the environment with dry conditions in 2022 or beyond.

**DWR's runoff forecasting** has fatal errors, according to Deirdre Des Jardins of California Water Research. Here are her comments on the current runoff forecasting.

This is Deirdre Des Jardins with California Water Research. I'm the physicist who sent comments to DWR in 2012 predicting the 2013 to 2016 drought. There had been a once in a millennium drought in Australia, a once in a millennium drought in the Southwest, and exceptional droughts around the world. It was clear that the climate was changing.

We filed a protest in 2021 asking that the Board mandate that the projects produce a report on the reasons for the errors in the runoff forecasts, and hold a workshop on the forecasting methodology. It was clear then that DWR's Bulletin 120 forecast methodology had fatal errors. It's even more clear now.

In 2009, DWR's own water resources engineers said that stationarity is dead. DWR's operators knew that their runoff forecast model failed last year, yet they took huge risks in making a 15% allocation based on untested revisions to the models. I'm not doing Monday morning quarterbacking on this, I wrote a blog post about it on January 20.

The Board needs to remember that neither the Department of Water Resources nor the US Bureau of Reclamation have the right to a minimum 1500 cfs diversion from the Delta. The projects need to manage risk so that they have enough water in storage to meet their minimum export needs, as well as their in-basin obligations. They are not doing so.

As far as the Bulletin 120 forecast methodology, my understanding is that the forecaster picks out surrogate years from the historic record, and uses a linear regression model based on those years. Changing to a 30 year record from a 50 year record simply isn't going to work. The climate is changing to rapidly. Similarly, no machine learning algorithm based on these inputs is going to work.

DWR needs to move to a physics-based model, such as the one being used by NOAA's California Nevada River Forecast Center.

Finally, I will note that the Coordinated Operations Agreement for the projects has no sharing formula for the obligation of the projects for storage release to meet in-basin obligations in a third or fourth dry and critically dry year. The Board reserved jurisdiction over the coordinated operations of the projects, and needs to exercise it.

You can find more information and links at <u>California</u> <u>Water Research</u>.

**Doug Obegi** of Natural Resources Defense Council writes that California's water rights system is bankrupt. Read the full story at <u>NRDC's web page</u>.

#### FLY FISHERS OF DAVIS

Here's a teaser - "California's ongoing drought - or more accurately, our new normal in light of the reality of climate change – demonstrates that California's water system is effectively bankrupt and broken, the result of having promised far more water (through claimed water rights and water contracts) than is available in an average year, let alone can be sustainably delivered during dry years. The drought disaster we're facing this year is not simply a hydrologic problem; it is the result of the State's failure to plan for droughts, particularly the failure to maintain adequate carryover storage in Shasta and other reservoirs last year. While conditions have been very dry the past two plus months, droughts are a fact of life and we can't control hydrology. But we do control what happens to water in the Bay-Delta watershed, and the failure to plan for droughts last year – particularly the failure to maintain adequate carryover storage in upstream reservoirs in 2021 by reducing water supply allocations and water diversions, as we warned last fall – leaves California without good options in 2022. ... "

Jay Lund wrote an interesting <u>short history</u> of the Sacramento-San Joaquin Delta at California Water Blog that helps for understanding how the delta has gotten to where it is and how it continues to change.

In brief, deltas globally adjust with changes and fluctuations in external conditions, internal dynamics, and human management. This is a short history of big changes to California's Sacramento-San Joaquin Delta (Delta) in the past and present, and its anticipated future. This history is important for understanding how many of the Delta's problems have developed, changed, and continue to change.

Dr. Lund begins with a discussion of how sea level change has affected the delta over the last 11,000 years and how the deep peat soils of the delta were created. From the 1850s through the 1930s, most of the Delta was diked and drained to form the many islands and tracts that created agricultural land. He goes on to review upstream diversions that started in the late 1800s, in-Delta diversions that began in the 1930s with major dam construction, and the impact of invasive species from the time of the Gold Rush. He concludes with brief comments on climate change and human-induced changes in the Delta.

The entire post is short and gives some food for thought. He also provides some additional readings to delve deeper.

# **The State Water Resources Control Board** this month mailed early warning letters to approximately 20,000 water right holders.

The letter highlights the critical conditions facing our state and urges right holders to plan for potential shortages by reducing water use and adopting practical conservation measures. The letter also warns right holders to prepare for curtailments in certain watersheds if dry conditions continue or worsen.

Information and updates on Division of Water Rights drought activities, including emergency regulations, curtailment updates, and regional drought responses are available at: <u>waterboards.ca.gov/drought</u>



PAGE 6

### Call For Fly Tiers! By Paul Berliner

Hi everyone! This year, **Duck Days** and **Picnic Day** are both back, and our ace fly-tying team could use an extra bit of volunteer help at the FFD fly-tying tables. These are two great outreach events for our club. We meet folks of all ages, tie flies for the kids, hand out FFD brochures, and chat-up fly fishing!

To help out, all you need is your fly-tying kit and the ability to tie a wooly bugger — in amazing, crazy, totally wacky colors. We supply the materials, and the visitors supply the fun and the imagination! And if you don't know how, we'll even teach **YOU** how to tie a wooly bugger, and we'll supply a kit.

### **Picnic Day**

UC Davis **Picnic Day** is <u>Saturday, April 23</u>, and Fly Fishers of Davis will be tying wooly buggers in the Entomology Department in Briggs Hall. You'll get to see the bugs in action, and help to tie the bugs!



#### **Duck Days**

This year, **Duck Days** is the very next week: <u>Saturday, April 30</u>, and it's held at the Yolo Bypass Wildlife Area Headquarters, 45211 County Road 32B in Davis. This event features a wide variety of booths, workshops, and activities for people of all ages, and our table is always a very popular attraction.



To help out with either (or both) events, please contact **Paul Berliner** at <u>paul@berlinerproductions.com</u>. And for an enjoyable day, regardless, please stop by our booth at both events, and enjoy. Thanks in advance for your help!

# **Owens River Annual Clean Up** Bishop, California - Saturday, April 23, 2022



### Meet @ 8AM @ Pleasant Valley Campground @ the metal footbridge

Bring gloves. Bring family and friends! The more people, the cleaner the river! Coffee and baked goods provided for all volunteers at 8AM. Lunch will be provided for all volunteers at 12PM @ Pleasant Valley Campground @ the dumpster. There is a free raffle for participants with a lot of swag to be given away! If you'd like to donate swag for the raffle, please contact organizer Chris Leonard

This is our chance to annually clean up Bishop's blue-ribbon moving water fishery. The Annual Owens River Clean Up is scheduled for Saturday, April 23, 2022. This is the 8<sup>th</sup> consecutive year of this much welcomed event. What makes this day work so well is the congregation of good-hearted volunteers who travel from near and far to partake in a morning of beautification of the Owens River near Bishop, California. It is a great event, and everyone is welcome!

### 2022 FFD CARY BOYDEN FISHCAMP SCHOLARSHIP



### **APPLICATION SUBMISSIONS DUE MARCH 29, 2022**

The Fly Fishers of Davis (FFD) are offering a FishCamp Scholarship to eligible boys and girls, from 10 to 15 years of age.

This \$895 award covers the entire cost of a five day program, which is conducted by The Fly Shop. There are four camps to choose from late June to July. The Fish Camp program teaches fly fishing and other outdoor skills in a safe and friendly environment, and is held on a private ranch outside of Weed, California, near Mt. Shasta. The program includes accommodations, meals, and use of the finest in fly fishing equipment. Campers are responsible for bringing appropriate outdoor attire, a sleeping bag, and transportation to and from FishCamp.

For more information go to : https://flyfishersofdavis.org/about/cary-boyden-scholarship/

Download the Scholarship Application HERE

Send any questions you have regarding the scholarship to tom.robinson@me.com

# Northern California Council, Fly Fishers International News

By Mark Rockwell, President, February 2022

Over the past months the NCCFFI has been focused on work that brings more value to our clubs and greater environmental certainty to our fisheries. The two major projects we've been focused on are





pushing forward on removing the four dams on the Klamath River and organizing how the Council will work over the next couple of years to bring greater value to you, our members and clubs. First the Klamath & how close are we to dams out?

As you likely know we have been working on this for 20 years, and we are now down to the last steps before removal can start. Just last week the Federal Energy Regulatory Commission (FERC) released its Draft Environmental Impact Study (DEIS) which is now open for public comment. This will take about 2 months with a Final report due later this year. **This is the last major step before License surrender to the Klamath River Renewal Corp.** We are hopeful that it will happen by summer when pre-removal construction is scheduled to begin. *The good news is that we remain on schedule for removal to begin in January, 2023.* We all are pushing FERC to move quickly to license surrender in order to stay on schedule. As it stand now, all 4 dams will be removed by October 2023. As the pictures above show, the dams are the primary barrier to a free flowing river, and once we get them out the fishery will have the opportunity to recover and re-establish its greatness as the 3rd most productive salmon/steelhead river in the lower 48 states. This has been a long process, and we are nearly there. Fingers crossed for great fly fishing on the Klamath in the future. Read the DEIS here: <a href="https://klamathrenewal.org/draft-environmental-impact-statement-for-lower-klamath-project/">https://klamathrenewal.org/draft-environmental-impact-statement-for-lower-klamath-project/</a>

The second area of focus for the Council has been developing our goals and activities for 2022 & 2023. We spent 3 months at the end of 2021 with a strategy team developing this plan, and we are establishing committees to develop the details necessary to accomplish our goals. We want you to know that you, our member clubs are our focus, with the goal of bringing greater value to you, and to work together to teach and promote fly fishing. We all do better when we work together.

### Here are our goals:

- 1. To continue to develop NCCFFI as the regional go-to fly fishing organization in Northern California/Nevada/Hawaii
- 2. Tighten connections with fly fishing clubs and add value through educational programs, coordinated conservation work, effective communications, and creating a sense of community.
- 3. Create a sense of community by working together with our Board, partner clubs, like minded organizations, and fly fishers at large.
- 4. Focus on new and younger fly fishers to create opportunities for children & families to become involved with the sport of fly fishing by sharing our collective knowledge & expertise.

We have developed Action Steps to achieve these goals and our Board is now creating committees to develop these action steps into activities that will benefit our Council, clubs and members. Again, working together as a community of dedicated fly fishers makes our sport better, creates functional fly fishing clubs, and protects our watersheds and fisheries. You can count of the NCCFFI to be a good partner to make our sport more fun and have positive impacts on our communities and state.

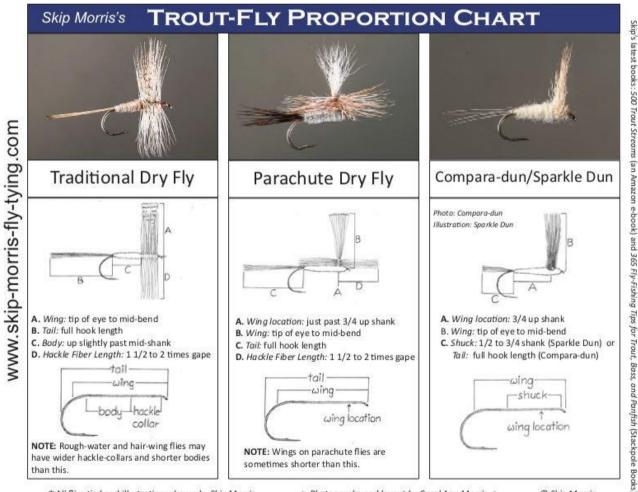
# A Freebie For Club Members

A fly-tier's chart that makes getting the proportions of trout flies correct. Flies with poor proportions--wings too long or in a bad position, tails too short, etc.--don't float right, swim right, look right to convince trout, and may even fail to hook them.

Having penned quite a few books and a few hundred magazine articles on tying flies (and having researched this chart and worked it up over a period of months), I feel confident this is an aid that is accurate, very easy to understand, and extremely useful for tiers. I'm also confident that of all flies, trout flies are the ones that most need to have good proportions.

Below is a sample page from the chart. Here's the link for the Skip Morris's Trout-Fly Proportion Chart; all your members need do is click on it and they can then print out all the copies they want:

http://www.skip-morris-fly-tying.com/skip-morris-trout-fly-proportion-chart.html



\*All flies tied and illustrations drawn by Skip Morris

≈Photographs and layout by Carol Ann Morris 🖡



UTINGS & EVENTS FFD 2022-2023

### Proposed FFD Outings & Events Subject to Change Due to COVID-19

<u>Trip 2022</u>	<u>Fish</u>		Dates	<u>Fishmeister</u>	<u>Contact</u>	<u>Comments</u>
Baum Lake	Trout		March 25 - 27	Dana Hooper	trouthookup1@gmail.com	
Delta Bass N Fly Tournament	Black Bass	Boat	TBD	Dana Hooper	trouthookup1@gmail.com	Boater pair with non boater
Hat Creek 101	Trout		April 29 - 31	Dana Hooper	trouthookup1@gmail.com	Camping
Lake Berryessa	Mult. Sp.	Boat	TBD March-May	Peter Hawes	hawsheatair@gmail.com	Boater pair with non boater
Lower Sac Float (Spring)	Trout	Guide	TBD	Dana Hooper	trouthookup1@gmail.com	Fee + Tip
FFD Casting Clinic			TBD	Bob Zasoski	rjzasoski@sbcglobal.net	Instructor: Jeff Putnam
Shad Sac or Feather River	Shad	Boat	Мау	Peter Hawes	hawsheatair@gmail.com	Boater pair with non boater
McCloud River	Trout		Prop June/July	Peter Hawes	hawsheatair@gmail.com	Camping
Manzanita Lake Trip	Trout		Prop June/July	Dana Hooper	trouthookup1@gmail.com	Floatation Device / Camping
Umpqua River	Smallmouth Bass	Guide	August 1 - 2	Gene Gantt	fishinggantt@comcast.net	Fee + Tip
Lake Davis	Trout	Boat	TBD	Need Fishmeister		Camping
FFD Annual Picnic			TBD	Tristan Leong	tristan.leong@gmail.com	
Lewiston Lake	Trout		TBD	Need Fishmeister		Camping
Lower Sac Float (Fall)	Trout	Guide	TBD	Dana Hooper	trouthookup1@gmail.com	Fee + Tip
FFD Annual Dinner			TBD September			
Striper Fest 2021	Stripers	Boat	November 6	Dana Hooper	trouthookup1@gmail.com	Boater pair with non boater
Trinity River Steelhead	Trout	Guide	TBD November	Dana Hooper	trouthookup1@gmail.com	Fee + Tip
Pyramid Lake (Fall)	Trout		TBD December	Dana Hooper	trouthookup1@gmail.com	
<u>Trip 2023</u>	<u>Fish</u>		<b>Dates</b>	<b>Fishmeister</b>	<u>Contact</u>	Comments
Lower Yuba Walk Wade	Trout		TBD Feb	Dana Hooper	trouthookup1@gmail.com	Day trip
Pyramid Lake (Spring)	Trout		TBD Feb, March	Dana Hooper	trouthookup1@gmail.com	Hotel / Camping





### **Officers, Directors and Committees**

, _		1
President:	TBD	916-768-9359
Vice President	TBD	530-756-5038
Treasurer	Tristan Leong	530-753-9623
Secretary	Mark Sanders	530-753-9623
DIRECTORS		
2022	Ryan Mitchell	530-756-5038
	Mike Rivers	707-685-7878
	Jeff Williams	
2023	Rick Kennedy	
COMMITTEES		
Outings	Dana Hooper	530-758-1991
Conservation	Lowell Ashbaugh	530-758-6722
Membership	Ryan Mitchell	530-756-5038
Communication	Tom Robinson	530-304-0305
Newsletter	Tom Robinson	530-304-0305
NCCFFF	Lowell Ashbaugh	530-758-6722
Programs	Andan Bailey	530-753-9623
Hospitality	Peter Hawes	530-750-1117
Raffle Chair	Phil Reedy	530-297-7535
Fly Tying	Bob Zasoski	530-753-2241
Picnic Chair		
Youth Programs	Adney Bowker	530-758-2674
Youth FishCamp	Tom Robinson	530-304-0305
Video Library	Eric Kapucinski	916-984-6438

The Fly Fishers of Davis P. O. Box 525 Davis, California, 95617 Copyright © Fly Fishers of Davis • All Rights Reserved The Fly Fishers of Davis (FFD) is a non-Profit 501.C.4 charitab organization dedicated to the education, participation, conservatio and enhancement of fly fishing. FFD meets monthly. Our regular monthly meetings are held the last Tuesday of each month except for
<b>Copyright © Fly Fishers of Davis • All Rights Reserved</b> The Fly Fishers of Davis (FFD) is a non-Profit 501.C.4 charitab organization dedicated to the education, participation, conservation and enhancement of fly fishing. FFD meets monthly. Our regula
The Fly Fishers of Davis (FFD) is a non-Profit 501.C.4 charitab organization dedicated to the education, participation, conservation and enhancement of fly fishing. FFD meets monthly. Our regulation
organization dedicated to the education, participation, conservation and enhancement of fly fishing. FFD meets monthly. Our regula
December, and other exceptions are noted in our newslette December meetings are held the second Tuesday to accommoda holiday schedules.
FFD is an affiliate club of the Federation of Fly Fishers (FFF), a international nonprofit organization, and its Northern Californ Council (NCCFFF) affiliate. FFD meetings and membership at opened to the public. The Fly Fishers of Davis provide equ opportunity membership without discrimination on sex, race, originage or religious orientation.
E-Newsletter Policy
Each month, the e-newsletter will be posted to our website and emailed about one week before the meeting. You may need to download Acrobat reader at: <u>https://get.adobe.com/reader/</u> to view our PDF newsletter.
Members are urged to maintain their current email address and othe important personal data by logging in, and visiting: <u>https://flyfishersofdavis.org/account/</u> . This ensures accurate communication and notification of our monthly newsletter, which i also downloadable at:

https://flyfishersofdavis.org/media/newsletters/.

### Fly Fishers of Davis PO Box 525 Davis, CA 95617-0525

### How to become a member of the Fly Fishers of Davis

FFD collects annual dues for adults (\$30), students (\$15) and families (\$30). Family membership may include a spouse and children living with named member up to maximum age of 25. All family members will share one membership and username. Please be sure to provide a valid email address. For insurance reasons, you must be a current club member or registered family member to attend any of our fishing outings.

- <u>Membership Benefits</u>: For more information about the many benefits of FFD membership, please go to https://flyfishersofdavis.org/about/membership-benefits/
- New Members ONLY: To join FFD, please go to https://flyfishersofdavis.org/memberships/
- Existing Members, Login and Dues Assistance: email webmaster@flyfishersofdavis.org
- For Additional Information: or questions email membership@flyfishersofdavis.org