



Rx Fly Fishing!

Volume XL

Number IV

April 2017

Jerry Neuburger, Editor

Stockton, California

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Calendar

March 29, Fly of the Month, Oak Grove Park

March 30, Beginning Fly Tying, Oak Grove Park

April 1, Rod Building Class, Oak Grove Park

April 6, Beginning Fly Tying, Oak Grove Park

April 12, General Membership Meeting, John R. Williams School

April 13, Beginning Fly Thing, Oak Grove Park

April 16, Easter Sunday

April 19, BOD meeting, Oak Grove Park

April 20, Beginning Fly Tying, Oak Grove Park

April 22, Kelsey Bass Ranch Outing

April 22, EBMUD Kid's Fishing Day

April 25-28 Pyramid Lake Outing

April 26, April Fly of the Month, Oak Grove Park

May 6, One Fly Contest, Arnold

Jon Baiocchi covers the dry fly at April meet

For April's meeting we welcome back master guide Jon Baiocchi of Baiocchi's Troutfitters. Jon has been fly fishing and tying flies since 1972, and is a California licensed fly fishing guide, published author, educator, innovative tier, and an award winning public speaker giving fly fishing presentations to clubs and expos across the state of California, and Nevada. Jon serves on the Truckee Trout Unlimited Board of Directors, and volunteers his time with the South Yuba River Citizens League. Born in San Jose, Ca in 1965, his Dad moved the entire family to Paradise, Ca in 1967 to be closer to prime fly fishing venues, and to raise his family in the spectacular forests of Northern California. Jon's Dad, Bob Baiocchi, was inducted into the Federation of Fly Fishers Hall of Fame in 1999, and was a major influence in helping Jon hone his fly fishing skills at a very young age.

After finishing high school, Jon opted out of college to pursue a career as a professional snowboarder, competing at a national level, starring in feature movies, and working with manufacturers in their research and development programs. After his career ended in 1993, Jon focused entirely on fly fishing and conservation, and learning even more of the intricate details of his home waters.

Jon now owns and operates Baiocchi's Troutfitters guide service in Northern California where he has been guiding for the last 20 years. He has a reputation as a very hard working guide that's been trained by some of fly fishing's best known anglers and guides, both past and present. His enthusiasm for the sport is contagious, and

combined with his simple approach to teaching gives students the skills needed to be successful on all types of water. Moved by all things flora and fauna his passion for such is never ending. Sharing the knowledge with others is of the greatest importance to him now, and too see others progress, and reach the next level in fly fishing fulfills his life. It's the legacy his father left him, and a cherished tradition that Jon will continue in his honor. His locations for guiding include Lake Davis, the Wild & Scenic Middle Fork Feather River, Frenchman's Reservoir, the North Fork Yuba

River, The Big & Little Truckee Rivers, The Lower Yuba River, and many secluded creeks in Eastern Plumas County. Jon's philosophy on fly fishing is to keep it simple, be confident in your presentation, and have fun. Jon has an all new PowerPoint program that was especially created for numerous fly clubs looking

for a more technical program on fishing the dry. "Mastering the Dry Fly" entails a brief history of the dry fly and those anglers who were involved from the beginning, simple to complex presentations, understanding rise forms, approaching water structure, tips & tricks, and Jon's favorite patterns for eager to educated trout. Beautiful images and new detailed animated slides provide the audience with clear and concise information for future endeavors on the water while dry fly fishing. This will be a program you do not want to miss!



I'm going to China and other things, some of them fishing!



Yup, I'm going to China at the end of this month, a two week tour. No fishing but for part of the trip I'm scheduled for a five day cruise on the Yangtze at Three Gorges Dam. Maybe I should smuggle in a Popeil Pocket Fisherman and a jar of Berkley Powerbait! I'll be back in time for the April meeting and you'll probably have to listen to me babble about China in one way or another for at least part of the show.

Speaking of the meeting, in addition to our speaker, we have some other great activities planned. The doors open at 6:30 and it is encouraging to see people bringing their fly tying gear and putting together a few flies before and during the meeting. Cliff and Linda Hoover continue to provide some very tasty morsels for members that like a little dessert after dinner, last month's apple strudel and cookies went quickly. What will they surprise us with this month? The refreshments are free to members however, if you have a few extra bucks, you're asked to put some in the jar to keep the whole process going. If you're busted however, don't deprive yourself, grab some goodies and make it up next time.

The April raffle will feature another full

five weight outfit, rod, reel, line and a box of flies as a grand prize and another couple of hundred dollars in top fly fishing gear. The total of the gear in the March raffle exceeded \$450 in value. (And I won the grand prize, a retro fiberglass rod, automatic fly reel, line and a box of gurglers. I wanted it sooo bad!)

We have two new exciting activities going on this month. Tim Costello is conducting a five session beginner's fly tying class. The first of what I hope will be many to come. I took a similar class from member Don Gillett years ago, when I first joined the club. That was one of the activities that bound me to the club as a member for all these years.

Another exciting activity, a rod building class, is being headed up by member Bob Fujimura. He has arranged a series of rod building sessions with rod builder Larry Lee, L3 rods, giving members the opportunity to build a really superior rod at a bargain cost. While I never took any formal classes, I built more than a few rods in my fly fishing career, and some of the are still intact. However, I doubt that any of the ones I built would be of the quality that the class will turn out.

The April 22nd outing will be one of the club's favorites, a Saturday at Kelsey Bass Ranch in Snelling. The outing, sponsored by Al Smatsky features a gourmet lunch and the opportunity to catch a largemouth in excess of five pounds. While a pay for play outing, the cost is discounted for club members and the lunch is included in the fee.

We also have an opportunity to expand our relationship with EBMUD by assisting them at their kid's fishing day at Camanche South Shore. The utility has held a free fishing day for years in conjunction

with the local residents but is looking for additional help for this one day event. The date set is the same as the Kelsey outing, April 22nd. I'll be attending a planning meeting towards the end of March and will be able to inform the membership better as to our involvement in this coming event.

The last club activity, the Fly of the Month tying session, will take place on April 26th. That's a ways off from now. I'm sure Mike and Joe will come up with a hot fly for the coming season and they'll announce the pattern at the April general membership meeting.

Did I mention fishing? I do have some on my schedule, in fact, a lot. I'm heading up to Pyramid for five days this last part of March before leaving for China. And I expect the delta to clear up for spring striper fishing when I fly back across the world's biggest ocean. After 13 1/2 hours in an airplane I'll be ready. If possible, I'd like to sneak in another trip to Pyramid at the end of April. If I do, I'll post in the club's Facebook page and welcome any company.

Speaking of company, since I'm no longer guiding, I usually have a spot open in my delta boat for any and all that want to give the delta a try. All I ask is some help on the gas and maybe a sandwich to keep the hunger pangs away. I usually fish for about six hours at a session, one change of the tide. Because I'm retired, week days are prime time, fewer boats on the water and less competition. Again, I'll post on Facebook a few days before I go, just let me know you're interested and we'll hook up for the day.

This looks to be an outstanding spring. Put some fly fishing in your life. You'll live longer and have fun doing it.

May General Membership Meeting to feature swap meet

If you're like me, you have some fly fishing gear that you could move out to allow more room to move more stuff in! The club wants to help!

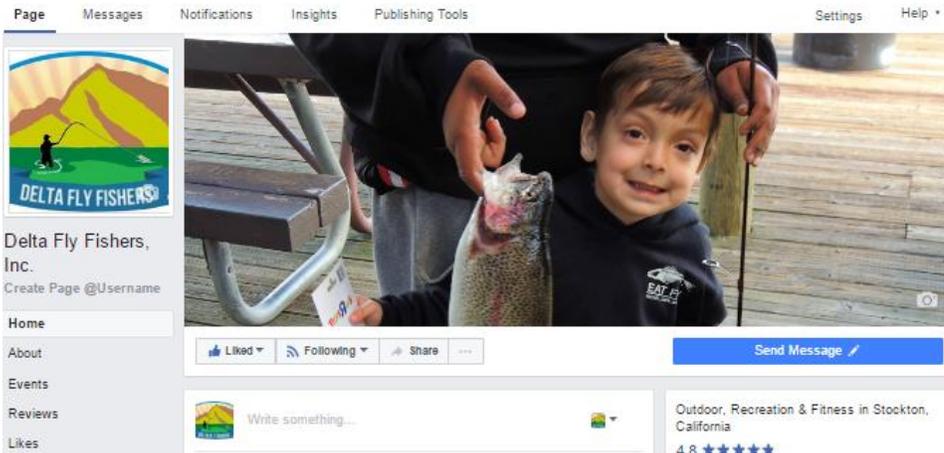
Start digging through your gear and make a pile of what you want to trade or sell and then bring it to the club's

May meeting at the John R. Williams School. The meeting will have an earlier start time, 6:00pm rather than 6:30. The early start time will allow a full hour for swapping, and selling. The rest of the meeting will be true to format with snacks and drinks, a short business session, a speaker's presen-

tation and a raffle.

Even if you don't have anything to bring to the swap meet, come early and cruise the tables. You might find something that's been on your wish list at a bargain basement price.

Are you on [FaceBook](#)? The club is. Your presence is wanted!



We are a happening club and our Facebook page proves it. Bob Fujimura does a masterful job in posting club events, finding articles of interest and regional activities that club members can get involved with. A core of club members add to the site, posting comments on the articles and posting results of recent fishing adventures.

As good as it is, it will be even better if more club members get involved. It can be a hub for planning an impromptu outing with other club members, a place to check on current fishing conditions, and a place to brag about your most recent catch.

It can also be a place to ask questions about gear, techniques and water conditions. To make the page really work it takes members being involved.

I'm not a fan of the Facebook layout. It took me a while to figure the whole thing

out and I'm still not a Facebook junkie. However, once I made the effort to learn the basics, I found it a good way to communicate with a group of people, both privately with my own page and by visiting the pages of people and groups that interest me. I even started a fly fishing page of my own, [Jerry's Fly Fishing Page](#) to post what I'm currently doing in the sport.

The, "Communication Age," has changed a lot of things and fly fishing is one of them. It's a lot more social than it was years ago. To some, that's a bad thing but for myself, sharing fly fishing experiences with friends is just another extension of the sport. Facebook makes it easy so I'm in.

Here's the link to the club's page.

[DFF on Face Book.](#)

Bookmark it the first time you visit. Come back often.

If you're not fishing on April 22, the club could use your help at Camanche South Shore

East Bay Municipal Utility District has made overtures to the club's members to become involved in EBMUD's kid's fishing day at Camanche South Shore on Saturday, April 22nd.

The event has been held for a number of years with the help of the south shore residents but a few more helping hands would be appreciated for the day's activities.

Club members are asked to share their fishing knowledge with the youngsters fishing the lake, some of which will be

wetting a line for the first time, catching their first fish. It's definitely NOT fly fishing with Powerbait and spinning rods the principal weapons of choice. However, the little bait dunkers may someday morph into fly fishers with some early success and encouragement.

I'll have some additional information at the April membership meeting as well as sending out a reminder to the club members via e-mail and an event posting on the club's FaceBook page.

DFF Officers



| | |
|---------------------------------|--------------|
| President | |
| Jerry Neuberger | 209-327-5993 |
| Vice President | |
| Cliff Hoover | 209-642-3809 |
| Secretary | |
| Karen Keagy | |
| Treasurer | |
| Jason Stapleton | 209-334-9201 |
| Directors | |
| Ron Forbes | 209-368-5767 |
| Karen Keagy | |
| Larry Schmidt | 209-482-8742 |
| Sam Thompson | |
| Gary Tecklenburg | |
| Steve VonBerg | 209-327-6161 |
| Dena Mason | |
| Tim Costello | |
| Mike Nicholson | |

Committees

| | |
|--|--------------|
| Beginner's Fly Tying | |
| Tim Costello | |
| Bob McMillan Trout Bout (March) | |
| John and Karen Keagy | |
| Catfish Derby (June) | |
| Earl Summers | 209-957-6756 |
| Conservation/Restore the Delta | |
| Ron Forbes | 209-368-5767 |
| Education | |
| Dena Mason | |
| Fishing Mentor Program | |
| Tim Costello | |
| Fly of the Month | |
| Mike Nicholson | |
| Membership | |
| Bob Fujimura | 209-339-0683 |
| Monthly Raffles | |
| Jerry Neuberger | |
| Programs | |
| Al Smatsky | 209-368-9261 |
| Bob Sousa | 209-368-2683 |
| Property/Historian | |
| John Keagy | |
| Publicity | |
| Steve VonBerg | 209-327-6161 |
| Rod Building | |
| Bob Fujimura | 209-339-0683 |
| Trout Bout (November) | |
| Bob and Jean Fujimura | 209-339-0683 |
| Webmaster | |
| John Keagy | |

Rx Fly Fishing! is the monthly publication of the Delta Fly Fishers, Inc. Delta Fly Fishers, Inc. is a public benefit 501c3 non-profit corporation registered with the California Secretary of State.

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For my Easter present I want one just like the one in the picture

Some big bass await at the club's annual outing to Kelsey Bass ranch!

Our Annual Kelsey Bass Ranch Outing will be held on Saturday April 22nd, 2017.

The Kelsey Ranch is located about 28 miles east of Turlock, and east of Snelling, CA. Kelsey Lake is a 125 acre impoundment stocked with trophy size Florida Black Bass.

Every year this outing is very well attended by our Club members and I don't think that it will be any different this year. The lake is full and in very good condition. By the time we fish the lake in April, the bass will have already spawned, and the water temperature should be in the mid to upper 60's. The lake should be perfect for all of those Leo's Poppers and Jerry's flip-flop poppers that you have been making.

In 2014 the lake record was broken by a conventional angler that hauled in a 16 lbs 12 oz bass in mid-January, on the fly fishing end; one SoCa angler landed a black bass over 14 lbs on a

wooly-bugger and a bay area angler landed a black bass over 8 lbs on a popper. The California State record for blue gill record was not reestab-



lished but the lake did produce one 3 lbs 14 oz. The lake fished very well all through the summer months.

RECOMMENDATION: The following requirement applies to participants in Guided Float Trip Outings

and those Outings where participants use owned, rented or loaned watercraft such as, but not limited to, boats, canoes, kayaks, prams, pontoon boats and float tubes: *"Each participant should wear a Coast Guard approved protective safety flotation device (SFD) at all times while boarding, disembarking or on board the watercraft."*

You may sign up any time by emailing algofish@softcom.net or calling Al Smatsky at (209) 368-9261, please do so by April 18th. We will have a sign-up sheet available at the April meeting. Entry passes, along with gate code, will also be available to those that are attending. This year the main gate will be locked and you will need the access code for entry. The cost for the outing is \$85 per person. A barbeque lunch prepared by Bob Sousa will be provided.

Hope to see you all there!

A second Pyramid outing is planned for April 25th through the 28th

By Jerry Neuburger

A second club outing has been added to the club's outing schedule, the dates Tuesday, April 25th through Friday, April 28th. Jerry Neuburger will again act as fishmiester and plans to stay at North Nets in his small travel trailer.

Those that prefer a little

more posh accommodations should contact Larry Mettler for discounted rooms at the Nugget in Sparks. More information to follow at the April meeting. Here's some information for the first timer.

Licenses and permits: A Nevada fishing license is NOT required to fish the lake. Instead, anglers must purchase a tribal fishing license.

Camping at allowed unimproved areas

along the lake shore is permitted with certain regulations. A tribal permit is required.

Boating is allowed and the lake has some



basic launch ramps. A tribal boating permit is required.

All of the licenses and permits can be purchased on-line at <http://www.pyramidlake.us/pyramid-lake-permits.html>

Crosby's at the lake also has permits, rooms to rent, a small store, a restaurant and a bar. The store has some fly fishing

supplies and a good stock of flies for sale. Again, you can find more information on their website. <https://www.crosbylodge.net/>

A full service RV park is located in Sutcliffe but I have no information as to whether it is currently open.

Fishing
Rod and line: a 6-8 weight rod, or rods with both floating and quick

sinking lines.

Flies:
Cast and strip beetles, woolly buggers
Chironomids fished on an indicator

The shores of the lake are mostly sand beaches that gradually fall away. Most fly fishers bring a six foot ladder or special rigs to take out and set up in the water as a stand to fish from.

One Fly Contest Tests Our Club's Stillwater Fishers Skills

In last year's contest DFF failed to regain its winning streak over of the Calaveras Fly Fishers despite that club president, Jerry Neuburger landed a relatively high number of fish. Contrary to rumors, the event organizers reassure that this year's will held again as always on May's first Saturday, May 6. Come out and see how we do this year or better yet... join the participants in the friendly fishing event.

The event is held at White Pines Lake near the community of Arnold just a short distance from Highway 4 (see map). The lake is a relatively small in beautiful forested area. Locals maintain this free and well-maintained park. No motorized watercrafts are allowed on this lake making it a very beginner-friendly for fly fishers in personal watercrafts.

This event is a lot of fun and well-attended by DFF members of various skill levels. The contest registration starts at 7 am but all competitors must wait until 9 am to start fishing. Usually most DFF participants drive up that morning, enjoy set up their crafts and tackle, partake the coffee and donuts provided by SFF, and smack-talk with the other members. Anglers must pair up and verify each other catches. If you lose your fly during the contest, you can continue your fishing but any additional fish do not count toward the contest. Awards are given for the most trout caught and released and the biggest fish. The \$25 contestant fee includes a great lunch serving BBQ tri-tip sandwiches, side dishes, soft drinks, and dessert. Funds from the event go to a local education fund.

Float tube or personal watercraft is necessary to be competitive in the contest. A basic trout rod (8.5 or 9 foot, 4-6 wt) with an intermediate or slow full sinking line (Type I or II) for subsurface nymph or streamer patterns are the most commonly used set up with 7.5 or 9 foot 4x leaders. Small wooly buggers, damsel fly nymphs, red riders, or sheep creek specials are some of the popular choices. Personal floatation devices are a must. No fish-

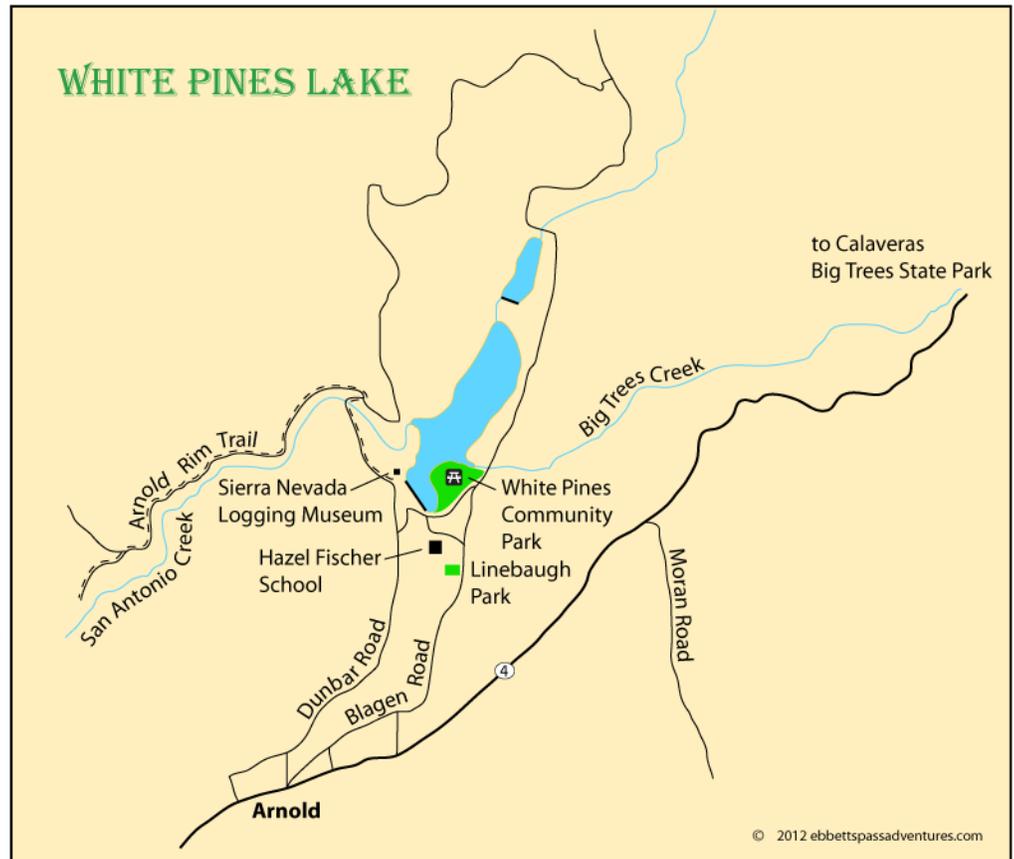
finders are allowed during the contest.

If this lake has been recently planted with hatchery trout good fishing conditions and high catch numbers are usually common. Fishing has been tougher in recent years since the CDFW has been stocking the lake less frequently than in the past. If the lake has not been recently planted then fishing for trout is more challenging for the beginning or intermediate fishers. This lake contains a good population of wild and hold-over trout. Late spring carpenter ant falls and Callibaetis hatches can produce exceptional dry fly fishing. Other fishes that can be fished during the summer and fall include largemouth bass, bluegill, crappie, and common carp. This lake can be an excellent venue to learn basic still water fishing in early spring. Beginning fly fishers can learn a lot about lake fly



fishing by just watching the expert fishers and this event is one of the best ways to get to know the other members of the club.

If you are interested in attending this event, please contact Bob Fujimura at deltaflyfishers@gmail.com or (209) 339-0683 by April 30. The Calaveras Fly Fishers need a head-count of members who are coming so they can have enough food for lunch.



Another Chance for club members to lend a hand, helping kids learn the basics of fishing.

The club received this information too late to make any real participation by the club just too difficult to organize in such a short amount of time. However, those board members who participated last year gave glowing reports of the event and plan to return to assist at the event this year. Volunteers are provided a free lunch and a wild trout poster for their efforts and well as an appreciation by the Department of Fish and Wildlife.

The event is at the Moccasin Creek Hatchery, off Hwy. 108, about 65 miles from Stockton. Those that wish to participate should contact Jana at DFW, phone number, [916 539-6644](tel:9165396644).

You should also consider the event an opportunity to take your young angler (15 years and younger) for a day of successful fishing. The kids will learn much more than just how to catch a fish, the event features booths covering a number of subjects from what fish eat to how to clean, cook and eat them.

The club's board has put the 2018 event on the future calendar with a large probability that we'll make it a club outing next year.



TROUT FEST 2017

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 At the junction of Hwy 49 and Hwy 120

Saturday
9am - 1pm
 (Rain or Shine)

All Activities are Free
All Gear is Provided
 Fishing for 15 years and under only.

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 Feed the Fish • Trout Cleaning • Rigging • Fly Tying

LEARN TO TIE ~ LEARN TO CAST ~ LEARN TO CLEAN ~ LEARN TO COOK



 troutfest@wildlife.ca.gov 

The rod building class is in progress

A new fly rod building course started on March 18 at the Oak Grove Nature Center. Led by expert rod builder Larry Lee of L3 Rods is teaching six DFF members on three consecutive Saturdays. The first class focused on preparing the rod blank and mounting the rod handle and reel seat. The cost of the upgrade kit and instruction varied from \$340 to 360

per finished rod. Larry spent time discussing and showing the various steps and techniques. Larry will also apply the flex coat to

each rod himself and ensure the final guide wrapping meets his quality standards. The course is full but contact Bob Fujimura at deltaflyfishers@gmail.com if you wish to sit in the remaining classes. Members who are participating in this class includes: Ron Forbes, Allen Feters, Bob Selders, Richard Shaffer, Bob and Jean Fujimura.



Failing dams, Delta death tunnels could be the future of the state's water system

"Only an extraordinary person would purposely risk being outsmarted by a creature often less than twelve inches long, over and over again."

Janna Bialek

What's Wrong With The Management Of California's Dams?

Since the catastrophic events at Lake Oroville have occurred, the media has had story after story about the consequences of the spillway failure. A multitude of stories of the suffering of the 180,000 people forced to evacuate, the devastation of the spillway, and the inadequate nature of the secondary spillway are ongoing. Those in charge at Oroville try to assure us of their constant inspections to prevent any dam failures. In last month's Delta Fly Fishers newsletter, I pointed out just how badly the system is flawed and how negligent those in charge of the dam's safety have been.

Now evidence has surfaced that suggests that the operation of Lake Oroville borders on criminal neglect. In last month's Delta Fly Fishers newsletter, it was shown the dam operators have delayed much needed maintenance work. Oroville's operators are highly skilled at burying issues they don't want to address and that will cost the water contractors money. Now, new evidence has surfaced that can't be neglected and reaffirms the malfeasance of the dam's operation.

In a recent article, written by Dan Reidel of the Chico Enterprise-Record, he reported their photographers took pic-

tures of the dam on January 13 th and 27th. These pictures showed a possible damaged site and discoloration to the spillway. This is where the spillway started its failure, four weeks later, on February 7th. When the Chico Enterprise-Record asked why no action had been taken on the photos the paper had taken, a deputy secretary, Nancy Vogel, of the California Natural Resources Agency, responded with a typical non-answer. "Orville Dam has been frequently

around the world." That's a typical non-response and deflection to a direct question, and typical of those involved with Lake Oroville Dam's operation. Reidel also noted that, "She did not ask to view the photos."

The Chico Enterprise-Record has questioned why the dam operators didn't see what their photographs show. They feel that the answer is about how poorly the dam is inspected. The Department of Water Resources (DWR) last inspected the spillway Feb. 3, 2015 even though the DWR claims to inspect the dam two times a year. However, the spillway was not inspected the required 4 times in those two years. Vogel commented that, "During the annual inspections, the Oroville Dam, and its appurtenances, have been found repeatedly safe for continued use which includes the emergency spillway." Obviously, Nancy Vogel and her colleagues were dead wrong. Evidently they did not even perform an airborne inspection as the Chico Enterprise-Record had. If they had performed the required 4 inspections, the spillway disaster may not have occurred. Both the DWR and the Federal Energy Regulatory Commission (FERC) have "inspected" the dam and in a 5 year report found nothing wrong in the dam's operations.



inspected by multiple state and federal agencies. Reports of these inspections did not reveal any major causes of concern. DWR will soon name a panel of independent experts to investigate the cause of the main spillway failure and ascertain if such a failure could occur again. We hope that what we learn about the cause of this incident and how to prevent it elsewhere will help dam owners



The acting director of the DWR, Bill Croyle, had initially estimated that rebuilding and restoring the spillway would cost between \$100 million to \$200 million. However, the construction is costing \$4.7 million dollars a day. To date, that is about \$150 million. Now, with the spillway in operation, the project is not close to completion and the DWR

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(Continued from page 7)

has acknowledged the project will cost much more than was originally estimated. The state water contractors are financially responsible for this repair.

Another CVP Structure Has Failed

The State Water Project (SWP) pumping station at Clifton Court Forebay is closed for repairs. During the heavy water flows this year, the pumping station, near Tracy, maximized its flow with heavy pumping. However, the apron which is attached to the radial gates intake structure, has been seriously eroded and the system had to be shut down. This apron is a 175 foot concrete structure. The pumping was maximized to put as much water back into San Luis Reservoir as possible. The reservoir had reached its lowest point in 27 years.

Doug Carson, speaking for the DWR, said the repair to the apron would start on May 16th at the earliest and take between 30 and 45 days. The DWR says there will be no predicted interruption of service to west San Joaquin Valley farms or the 23

million people serviced by the Metropolitan Water District of Southern California (MWD). At this time neither the state nor Carson have released cost estimates. The state water contractors are also financially responsible for this project as well.

And Another Disaster Waiting To Happen?



The South Valley farmers, along with MWD water users, are pleased that San Luis Reservoir (SLR) is full. However, the reservoir has serious problems similar to Lake Oroville, and once again these problems are not being addressed. On March 15th, the California Water Research, an organization that independently researches and analyzes California's

developed water systems, has sent a warning that isn't being addressed. The paper is entitled, "Full San Luis Dam endangers over 200,000 people."

The dam was built by the Bureau of Reclamation (BR) in 1960. It is 382 feet tall and over 3.5 miles long. When full, it can hold 2 million acre feet of water. In 1961, the state (DWR) and BR signed a Joint

Users Agreement. Unfortunately, since the dam is owned by the BR it is not subject to the DWR's Division of Safety requirements. However, when the San Luis Dam is full, it endangers the lives of over 200,000 people. According to the US Geological Survey (USGS), the reservoir is in an area that is seismically very active. Part of the reservoir is directly on top of the

Ortogonalita fault. According to the USGS, the fault's capable of generating an earthquake of 7.1 magnitude. The dam is near the San Andreas fault (28 miles) and the Calaveras-Hayward fault (23 miles). This month there were 3 earthquakes within 35 miles of the reservoir with magnitudes of 2.5 and 3.4.

(Continued on page 9)



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We specialize in fishing kayaks and even have a small fly fishing section featuring rods, reels, lines and delta flies.

(Continued from page 8)

Since 1981, it has been known that San Luis Dam has serious seismic and structural problems when a 1,100 section of the embankment slid 177 feet, releasing 400,000 cubic yards of material extending through fill and into the native soil. The USGS considered that a "deep seated failure." In 1991, an engineering analysis showed that the dam's safety factors were too low to be safe in the event of an earthquake. In 1982 the BR study showed that Ortigalita fault had a higher rate of activity than previously understood, and other independent studies have shown that a large earthquake would lead to crest settlement and overtopping. An overtopping would lead a uncontrolled release of water with the probable failure of San Luis Dam. Studies in 2005 concluded the same results.

If the dam does fail and it is near capacity, studies have predicted these results. Hundreds of square miles will be flooded, especially Santa Nella which is 7 miles away. The flood will be 10 miles wide and 80 miles in length. In the western Delta areas from Antioch to Los Banos, western Merced and Stanislaus Counties including West Modesto, western Manteca, western Stockton, and Discovery Bay will be devastated.

One other potential major effect would be felt be statewide and that is the loss of both the CVP and the SWP, along with the loss Clifton Court Forebay and the pumping plants. The potential for a catastrophic disaster exists at SLR just as it exists at Lake Oroville. To prevent this potential devastation, loss of life, and loss of property and infrastructure, there will have to be severe operating restrictions on SLR. That will have a major impact on major water suppliers and the CVP and SWP. However, state water contractors do have other options and storage facilities available that do not have the potential of causing a catastrophe.

The current study by the Mid-Pacific Regional Office's Corrective Action Study will not be finished until May of 2017. Any action to alleviate this potential will not begin until at least 2020 at the earliest. Also, a source of funding "has yet to be identified."

Another nail In The Coffin Of Gov. Brown's Twin Tunnels Project: NMFS Scientists Confirm The Twin Tunnels Will Drive Salmon To Extinction

The Water Fix has blatantly omitted any pretext of environmental protection for the Delta, its' fisheries, or its' water quality. Despite these failures, Gov. Brown and his pro-tunnel groups constantly insist the tunnel project is based on science. That's just another less than truthful statement by Gov. Brown. Now scientists from the National Marine Fisheries Service have reaffirmed how bad the California Water Fix is for California's fisheries.

On the 20th of March, Dan Bacher of the "Fish Sniffer," announced what will hopefully be another major nail in the Twin Tunnel's coffin. Bacher announced that the National Marine Fisheries Service (NMFS), with "independent peer review," released a biological opinion, using the "best available science" that "produced evidence of significant adverse impacts to species and critical habitat, including unacceptable harm to salmon." The NMFS has based their conclusion on the best new science available, not the pseudo-science that Gov. Brown and the pro-tunnelers have paid for.

John McManus, Executive Director of the Golden Gate Salmon Association (GGSA), commented, "The NMFS science and peer review both make clear the current twin tunnels proposal will likely drive salmon to extinction and will harm other wildlife, the GGSA has no option but to oppose this project Central Valley salmon"

Some of the most seriously flawed issues the CWF would cause are pointed out by the NMFS:

- . The heavy flows against the screens at their intake point would "impinge" juvenile salmon against the screens where they would die.
- . If they could survive impingement, they would be stressed or injured and would experience heavy predation.
- . Below the screens the river flow would be greatly reduced. The young salmon need heavy flows to push them downstream to escape additional predation and

massive fish loss.

. Below the screens, low flows will ensure more juvenile salmon will be lost to the interior Delta.

. Major loss of freshwater downstream intakes guarantees highly degraded water quality, giving rise to increasing contamination and pollution, and lower food sources.

McManus pointed out that the studies of NMFS have shown the twin tunnels will not only hurt the salmon but have a ZERO PERCENT CHANCE of helping the winter-run chinook. He said that the NMFS modeling has shown a steady decline to extinction if the tunnels are ever built and put into operation. NMFS scientists also predict a dewatering of both the winter and spring redds if the tunnels are built.

GGSA director, Mike Aughney, threw more gas on the fire commenting, "This project will not only destroy the salmon, but it threatens the jobs of thousands of people who depend on healthy salmon runs including fisherman, tackle shops, boat shops, launch ramp operators, marinas, and many others. It's time to admit this version of the tunnels won't work. There is no doubt the status quo is very bad for salmon but the giant tunnel proposal obviously isn't the answer." And GGSA's Dick Pool added, "The State Water Board's update on the water quality control plan, including flow standards to protect salmon, water quality, and the health of the delta, also need to be completed before any tunnels project can be properly considered and designed."

The NMFS scientists also noted that the proposed Twin Tunnels Project has not even considered the devastation the project will cause on the Delta smelt which is listed as endangered by both the state and federal Environmental Protection Acts.

Bacher points out Gov. Brown's real issue is to build the CWF. Brown and his colleagues claim over and over that the tunnels will restore the Delta's ecosystem. Real science has shown again and again the CWF will absolutely destroy the Delta. Does Gov. Brown give a dam about the Delta's ecosystem and its fisheries? He has ordered the DWR to apply

(Continued on page 10)

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for permits to kill winter-run chinook, Central Valley steelhead, Delta smelt and other endangered species while working on the California Water Fix. These permits were applied for through the DWR on October 7, 2016 though an "incidental take" application from the California Dept. of Fish and Wildlife to satisfy requirements of California's Endangered Species Act. This permit would have allowed the project to go forward with a total disregard for our salmon, steelhead and all endangered fish species in the Delta. NMFS's report is one of many ongoing, negative reasons why the CWF project should never be considered.

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