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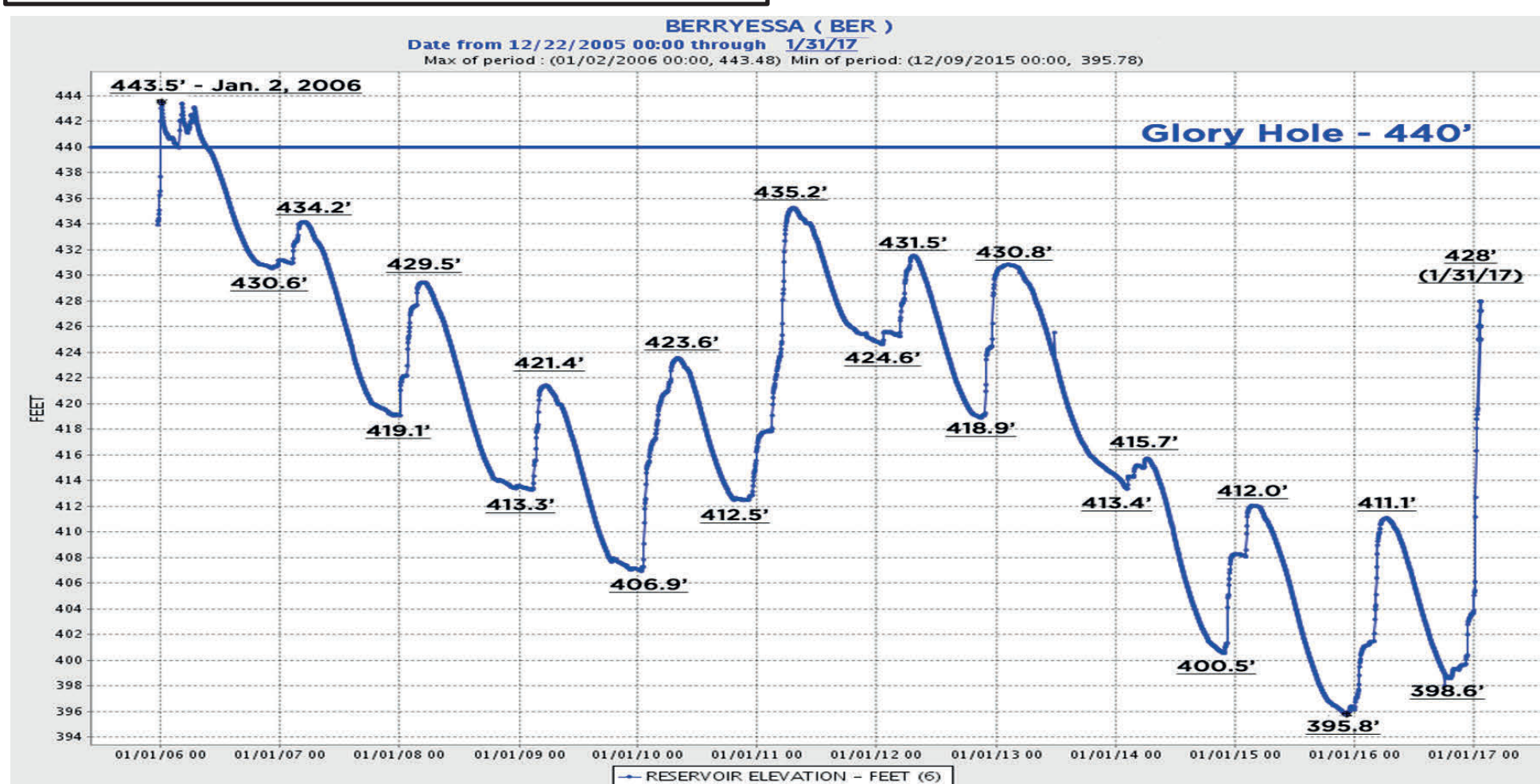
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# The Lake Berryessa News

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**February, 2017**



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## Napa County Cares about Lake Berryessa - Finally!

Napa County wants a little help from the state and federal governments for affordable housing, a Lake Berryessa recreation revival and a host of other items contained in a 30-page booklet with 39 issues.

The County is considering whether to take over managing the Bureau of Reclamation's stalled effort to redevelop five Lake Berryessa resorts.

The Department of the Interior and Bureau of Reclamation are suffering some personnel shuffles during the transition to a new administration in Washington. Deputy County Executive Officer Molly Rattigan expressed concern that the Bureau of Reclamation might name a new point person for the talks between the county and the agency.

"I think changing who's on that project right now would be very detrimental to us," Rattigan said. Rattigan was referring to the promotions of several Reclamation high-level officials to temporary "acting" positions during the presidential transition.

Louis Moore, Reclamation Deputy Public Affairs Officer told the Lake Berryessa News in a telephone interview that these personnel changes were only temporary until President Trump made new appointments for Secretary of the Interior and Bureau of Reclamation Commissioner.

Moore said this temporary change should not affect the ongoing process between Napa County and Reclamation.

Rattigan is leading the Lake Berryessa project for the County. She is working with consultants from Ragatz Sedgwick Realty which was chosen for its knowledge and experience in developing hotels, resorts and other recreational opportunities.

Ragatz Sedgwick Realty will assist the County in identifying interested concession partners by marketing the opportunity to the resort community and performing a feasibility analysis to determine the best use of each site.

Richard Ragatz has been in Napa touring the closed resorts, gathering information, and meeting with, among others, the Bureau of Reclamation, Visit Napa Valley staff, and members of the Board of Directors of the Lake Berryessa Chamber of Commerce.

The Chamber Board members came away from their meeting with Ragatz and Rattigan last week with a renewed sense of optimism for the future of the lake. The Chamber will do everything it can to help achieve the goal of a "Renaissance Lake Berryessa".

But we'll need your help. A survey is being developed to get public input about what people like about Lake Berryessa and what recreational amenities they desire to see in the future.

As Richard Ragatz put it, he'd like to "hear your thoughts about anything you think might be helpful in educating potential concessionaires and developers about why Lake Berryessa is a darn good place to do business."

## Water In, Water Out, But From Where?

The rain causing the rapid increase in lake levels raises questions for some about where all the water comes from and where it goes. The lake is rising and lower Putah Creek is flowing fast, but not much water is being released from the dam. And some people question why any water is being released from Lake Berryessa when it is not yet full.

Many people don't understand that Lake Berryessa was created for: 1. Irrigation in Solano County, 2. Drinking water (now for 500,000 people). Recreational use was not considered a priority because of the large swings in water level expected. Many also don't realize that Napa County gets little of Lake Berryessa water except for the small villages scattered around the lake like the Berryessa Highlands, Spanish Flat, Berryessa Pines, and Berryessa Estates. But that's a political history story for another day.

The watershed for Lake Berryessa is derived from the 568 square mile drainage basin above the dam. There are four principal creeks that flow into Lake Berryessa: Capell Creek, Pope Creek, Eticuera Creek, and Putah Creek - the main drainage of the basin.

Although there's a lot of water flowing in Lower Putah Creek, nearly 90% of the Putah Creek watershed is above Lake Berryessa, and most of the rain is flowing into Lake Berryessa NOT OUT OF IT. Nearly all of the flow in Putah Creek near Winters today is from the main

creeks below Lake Berryessa.

There are four main creeks below Berryessa. They are Wildhorse Creek (Cold Creek) right next to the Monticello Dam, Pleasant's Creek which empties into Lake Solano, and McCune Creek and Dry Creek below the Diversion Dam just upstream of the railroad bridge at Winters.

For example, the total flow out of Lake Berryessa was 1,625 acre-feet (AF) for January, 2017. During that same period, the lake's capacity rose by 399,970 AF. The output was only 0.4% of the input. (1 CFS = 1.98 acre-feet per day; 1 AF = 325,851 US gallons per day)

The Solano Irrigation District monitors this and actually reduces flows from the bottom of Lake Berryessa during rain events to conserve as much water as possible in the

## Lake Berryessa Map - Page 5



lake. But the flow needs to be at least 45 CFS in order to properly operate the power house - this has been the average outflow every day for the full month of January, 2017.

The photos below show what a difference a year makes!





**2 Napa County Rural Code Enforcement: Compliance Officers, Delivery Persons, and Delivery Drones**

Back in November, 2016 the Lake Berryessa News covered a code enforcement flap in the Berryessa Highlands stating, “Recent actions proposed by Napa County to implement a new "Neighborhood Improvement Program" have caused some consternation in the Berryessa Highlands.” This process is apparently still ongoing, but the County is working to clarify the issues involved by preparing a 38-page, proposed code compliance manual to let code compliance officers, accused violators and the public know what to expect.

Among other things, the proposed manual says property owners have a right to privacy. Code compliance officers can’t fish for violations by standing in a truck bed to peer over a tall fence or looking through a knothole. Think of a code compliance officer as a delivery person, the manual says. Anywhere a delivery person can go, a compliance officer can go.

But in the era of drones a person can see into a backyard without climbing a fence. The irony is that Amazon is experimenting with drone delivery. Does this mean that, to use the County’s own analogy, anywhere a delivery drone can go, a compliance officer can go?

County Code Enforcement Supervisor David Giudice said he’s aware of the privacy issues associated with drones. The Code Compliance Department doesn’t even own a drone. The county would need a court order or inspection warrant to use a drone to look for violations in backyards.

At least one complaint from a resident about a possible code violation included personal drone footage as evidence. Since the code compliance violations are usually received as citizen complaints, and the names of the complainants

remain anonymous, this puts the department in an awkward position.

This “turn in your neighbors” approach has always been problematic, especially for minor compliance issues used as a weapon by one neighbor against another. Code enforcement officers are often put in situations where they are considered the bad guys, when actually they are simply doing their jobs as professionals. They are definitely not sneaking around looking for people to harass.

Still, Giudice said drones could be useful. He mentioned a grading project in the Berryessa area that’s created a huge erosion issue. The county has permission to go on the property, but doing a drone flyover would be easier than traversing rough terrain.

The code compliance manual outlines the steps the county will take when dealing with possible code violations. An initial step is to work with the property owner for voluntary compliance, as opposed to immediately seeking a fine.

Another approach would be to give code compliance officers the ability to use their judgment. The county might want to suspend penalties if a violator is making a good-faith effort to correct a problem.

Napa County has a code enforcement supervisor and four compliance officers, with code compliance being part of the Building Division of Planning, Building and Environmental Services.

The Board of Supervisors will consider making code compliance its own division. That move would include adding a code compliance-process improvement manager.

**Fishing With Sid at Lake Berryessa**

I finally made it up to the lake after almost three months. What a difference! The lake looks great, and I was so excited to get out there and fish. John, Albert and I headed out on Saturday morning. The fog was pretty thick with less than twenty feet of visibility. We slowly headed towards the Narrows looking for cleaner water. Our first stop was at the back of the Monticello Ski School to see how it looked. To my surprise their were about six other boats who had the same idea.

We drop shot for about five minutes and then I decided to go to the dam thinking the water would be clearer there. It was a little better and we caught the first bass on a Speed Trap lure . We then headed back to the main lake to the mountain now under water by the Ranch House.

We were drop shooting with one hit that John missed. We checked out some other spots, but the water was so dark and the debris was so thick that I decided to head toward home. We made one stop at the rock mountain by Spanish Flats which is under water for the first time in several years. Even with our best efforts the fish were not interested. However, it won't be too long before the fishing will be great.



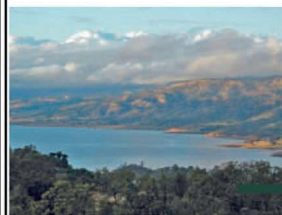
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**Bass Spawning: Temperature Not Moonlight**

April and May are the prime spawning months for largemouth bass. The bass actually spawn later at Clear Lake compared to nearby lakes because the water stays cooler later in the spring.

For example, the water at Lake Berryessa normally averages at least five degrees warmer than Clear Lake. One reason the water is colder at Clear Lake is because of its altitude. The lake is at 1,328 feet, which means the nights are much colder compared to the lower-elevation lakes. The bass at Clear Lake often spawn until well into June.

According to fishery biologists, length of the day and water temperature is what determines the spawning cycle in largemouth bass. Many fishermen believe the moon phase plays a major role in the spawning but biologists will tell you there is no scientific evidence to back that up.

During the spring months when the water temperature reaches 60 degrees, the male bass selects a location and fans an area about the size of a dinner plate with his tail. When the water warms up to 62 degrees or more the egg laden-females begin to stage near the spawning beds.

The male will coax a willing female to his nest hoping she will release her eggs, which he then fertilizes. A female will only deposit a portion of her eggs before moving on to another nest with another male. Each nest can contain the eggs of several females. This results in gene mixing, which is vital for species survival.

The actual spawning occurs when the water temperature reaches about 65 degrees and the height of the spawn occurs when the water reaches between 68-70 degrees. Water temperature determines how long the eggs take to hatch. When it is less than 65 degrees it can take as long as 12 days for the eggs to hatch.

However, if the water temperature rises to 70 degrees, the eggs hatch in two or three days. This is important because the longer the eggs take to hatch the more vulnerable they are to predation from other fish or crayfish. Bluegill and other fish are constantly on the lookout for an easy meal. The longer the eggs are unhatched the more will be devoured.

Even under optimum conditions less than 1 percent of all the bass that are spawned survive. A typical nest will see approximately 2,000 eggs actually hatch but fewer than 20 fingerlings survive to 10 inches.

Young bass feed on their yolk sack for the first week of their life. Within two weeks they start to feed on insect larva and other small aquatic creatures. Normally by October the young bass are two or three inches in length and feeding heavily on small minnows or even other young bass.

Like most predator fish they are cannibalistic and think nothing of gulping down a brother or a sister. In fact, the stomach contents of adult bass often reveal that about 10 percent of what they eat are other bass.

It's not only the bass that delay spawning when the water is cold. Channel catfish require a water temperature between 70 and 85 degrees. The optimum for spawning success is 75 degrees.

**February Horoscopes**

Aquarius (1/20-2/18): While you admire his technical execution and admit he had a nice gimmick going, you have no idea who Michelangelo’s target market was.

Pisces (2/19-3/20): You’ve read the instructions on how it’s made, talked to people who claim to have made it, even seen videos of people making it, but you can’t shake the feeling that when it comes to toast the toaster does all the work.

Aries (3/21-4/19): Just as you’re coming to terms with the challenges and rewards of living alone, you begin to suspect someone else is alive out in the radioactive rubble.

Taurus (4/20 – 5/20): Sometimes you feel like the whole world is spinning, spinning, spinning at a dizzying rate, causing the passage of day and night as well as fearsome Coriolis winds in the tropics.

Gemini (5/21 – 6/21): You’re the kind of boring person doomed to be alone while trying to solve all the problems instead of hanging out with the cool people while assigning blame.

Cancer (6/22-7/22): No offense, but when got into this business, dealing with empty and meaningless futures like yours sure as hell wasn’t what it had in mind.

Leo (7/23-8/22): You’ll finally get into shape this week, though which one exactly, isn’t clear yet.

Virgo (8/23-9/22): Try to break your habit of turning to anonymous sources for general advice on your problems.

Libra (9/23-10/22): You’ll confront your problems head-on this Thursday, which is rather unfortunate, as your problems involve a mountain goat.

Scorpio (10/23-11/21): You’ll finally open up about your innermost hopes and dreams this week, though the whole thing will be pretty hard to hear with everyone laughing so damn hard.

Sagittarius (11/22-12/21): Lately it seems all your imaginary friends just want to sit around all day and watch television.

Capricorn (12/22-1/19): Clear and direct communication is key to a successful marriage. Try ending all of your domestic exchanges with “Roger that, good buddy.”

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Subscriptions: \$36 per year  
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**Camping For Seniors**  
**(or, Too Old To Squat!)**  
*by Soddy McWombat*

I have loved camping since I was a small child. And I’m talking about rough camping with a tent or tarp for shelter and the barest minimum of luxuries. I am not referring to “camping” in a large motorhome equipped with a full bathroom, squishy full-size bed and a full kitchen. That is what my wife considers camping, bless her heart, and I have to admit I do enjoy it as well, especially on longer vacations.

But several times a year I venture into the woods with only what I can fit in the back of my small Jeep, and spend a few days by myself away from the distractions of television, phones, email, computers, and annoying people. I have a little “secret” camping spot about 100 miles from home that is perfect—a small flat area about 100 yards away from the dirt road, behind some trees and next to a pristine creek. If I remain quiet, the few cars that go by don’t even know I’m there.

Some of you may have watched my video article “Bug Out Basics–The Acid Test” on Guns and Gunsmiths where I went camping with nothing but my small bug-out bag.

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Gary Howes  
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No tent, sleeping bag, propane stove or any of the usual stuff you might take on a camping trip. It was fun, and educational, but not very comfortable—especially at 4 o’clock in the mornings when the temperature plummeted to about freezing. However when I go camping just for the heck of it, I usually take some luxuries—after all, it’s supposed to be fun and relaxing, right?

But recently I woke up and wondered who was the old man in the mirror looking back at me, and I now find that there are some things about camping that are definitely not as easy as when I was a younger man. What to do? Give up camping? Never! We must adapt and overcome the difficulties faced in our senior years and continue to live life to the max!

So, over the last couple of years I have added a few new



items to my camping supplies that are more suited to my senior situation. Most of them have to do with getting off the ground. As a young lad, I could spring up and down from the dirt just by uncrossing my legs, my hands usually full of beer and burgers. Not any more! Now I grunt and groan like a wounded bear and struggle to maintain any hint of dignity as I lumber to my feet and then try not to lose balance and fall back down again. Embarrassing! So here are a few of the “mod cons” I now take camping.

**Dining Table and Chair**

It is never particularly comfortable to squat on the ground with a plate of beans balanced on your lap when dining al fresco in the bush. So now I always take along a folding camp chair and a small kiddies fold-up table I picked up at my local Costco. All I need now is a set of fine china and candelabra, right? The table is also handy just for keeping things out of the dirt when relaxing around the campfire.

**Camping Cot**

Sleeping on the ground is fine until you wake up in the middle of the night with an urgent need to go outside and water the trees (something that also seems to happen more frequently as we age). It’s hard enough trying to unzip the sleeping bag with frozen fingers without then having to struggle to your knees, crawl out of the tent and stand up without tripping over the tent guy lines in the dark. So I added an inexpensive fold-up cot that at least allows me to swing my legs over and get into some semblance of a sitting position first.

**Hammock**

This Christmas I asked for (and received) a specialty camping hammock. These have several advantages over tents and cots—you can set them up over rough ground and not feel every rock in your back, you can set them at a comfortable sitting height for easy in and out, and by golly it is so much more comfortable than the cot I was

telling you about above. A camping hammock is also much smaller than a tent, so it is great when backpacking.

You do need some “accessories” for your hammock such as a tarp to erect over the top in case of rain or drop bears, a mosquito net if it is that time of the year, and an under-blanket or pad to stop your backside from freezing when the cold wind blows.

**Toilet**

OK, here’s where it gets ugly. I’m afraid to say that I am too old to squat without the fear of falling backwards, my pants tightly wrapped around my ankles, and trying to avoid what I just left on the ground! A portable toilet which is nothing more than a seat on a lightweight frame now gets set up over a small foxhole a respectable distance from my campsite, along with a roll of TP and a small shovel for burying the evidence.



**Illumination**

Older eyes need more light. Sorry, but that’s a fact, so I also added a great little battery-powered LED lamp. It can stand on the table, or hang from the tent roof or a tree, and last about 80 hours on the low setting. It is much more convenient than a propane lantern, and the new LED bulbs last a long time. I found mine on Amazon for a very good price. My old Coleman propane lantern now collects cobwebs in the garage.

Other than these, my camping equipment is pretty much the same as when I was younger and more agile. But with the addition of these few concessions to old age, I can still look forward to a camping trip and have a great time in the bush without falling down, hurting my knees, getting really dirty and taking ibuprofen for all the resultant aches and pains.

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**Spare the Air Days - Wood Burning For Heat - Update**

Several years ago I wrote an article about wood burning exemptions that applied to some people in rural areas such as Lake Berryessa. BAAQMD has released a policy paper that clarifies the issue. BAAQMD removed the exemption for residences using propane rather than natural gas provided by a utility company.

The Woodsmoke Rule states that you are exempt from the Burn Ban if wood-burning is your only source of space heat and your wood-burning device is an EPA-certified device that is registered with the Air District. If you have another form of permanently-installed space heating, then you may not use your wood-burning device during a Burn Ban.

These other forms of permanently-installed heating include central forced-air furnace, wall heaters, radiant heaters, baseboard heaters, or other forms of permanently-installed heating powered by natural gas, propane, or electricity. You may still be exempt from the Burn Ban if you have space-heating that is not permanently installed, such as a portable electric heater that can be moved from room to room.

The Woodsmoke Rule states that during a Winter Spare the Air Alert, it is illegal to use any wood-burning device such as fireplaces, woodstoves, or pellet stoves in the Bay Area. The Woodsmoke Rule has three “limited exemptions” that allow people in specific situations to burn wood during a Burn Ban:

Sole Source of Heat (Section 6-3-110)

Non-functional, Permanently-Installed Heater (Section 6-3-111)

Loss of Natural Gas and/or Electric Power (Section 6-3-112)

The intent of the Sole Source of Heat Exemption is to allow use of wood-burning devices when another form of space heating is not available. Therefore, if you are in an area that does not have natural gas service, but you have a permanently-installed heater (for instance, propane), then you are not exempt from the Burn Ban.

If there is no electrical service in an area provided by a public utility, then the burn ban does not apply unless another form of permanently-installed heat is available. You are also exempt during a power outage or if your space heater (gas or electric) is broken.

See the BAAQMD web site foe more details:

<http://www.sparetheair.org/stay-informed/particulate-matter/wood-smoke/regulation>

**Onion Headlines**

Report: Americans Most Physically Active When Getting Comfy

God Announces Plans To Shift Majority Of Resources Tied Up In Humanity Project To Birds, Rocks

Transition Team Assures Public Trump Has Too Many Conflicts Of Interest To Favor Any Specific One

Whale Regrets Eating 290,000 Plastic Poker Chips That Fell Off Container Ship

Republicans Vow Not To Repeal Obamacare Without Detailed Plan For Disposing Of Patients’ Disease-Ridden Corpses

Cockroaches Feeling Very Optimistic About Future Of Planet

Man From Chippewa Falls, Wisconsin Hates When People From Eagle Point Claim To Be From Chippewa Falls

More Americans Concerned Illegal Immigrants Will Take Their Spot On Couch

Explanation Of Board Game Rules Peppered With Reassurances That It Will Be Fun  
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**The Lake Berryessa Chamber of Commerce** 3

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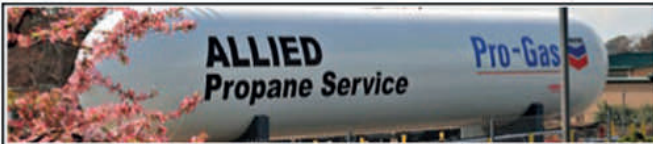
**Beautiful Lake Berryessa is OPEN!**

All recreation areas - Markley Cove, Pleasure Cove, Steele Canyon, Spanish Flat, and Putah Canyon - are open for launching and will remain open. The Capell Public Launch Ramp is closed but may reopen before the end of January due to recent rains.

Oak Shores Day Use Area is great for picnics and viewing the lake and wildlife. After touring around the lake and stopping at local wineries like Rustridge and Nichelini, a wide variety of food and drink is available at Cucina Italiana, Spanish Flat Country Store & Deli, and Turtle Rock.

Delve into the fascinating past of the Town of Monticello, now at the bottom of the lake, by visiting the Berryessa Valley History Exhibit at the Spanish Flat Village Center. Please use this web site to contact our members to make use of their services:

[www.lakeberryessanews.com/chamber-of-commerce/](http://www.lakeberryessanews.com/chamber-of-commerce/)



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4 **Update Regarding the Lake Berryessa Kokanee Fishery**  
By Garry Erck, President – CIFFI & Gary Coe, President Kokanee Power

Many people have noticed the decline in the kokanee fishery at Lake Berryessa – and quite honestly it’s a concern to all; with many folks suggesting that we need to drastically increase the kokanee plants at Berryessa to revive the fishery.

But good science and not anecdotal information must rule the day and the DFW has some interesting information they have gathered about Berryessa and may have a better understanding of what is happening.

A study over the past 18 months has been conducted on Lake Berryessa; in the hopes of identifying why the kokanee fishery has declined there. By using water quality samples from late 2015 and through 2016, the DFW has discovered that the dissolved oxygen content of Lake Berryessa is lower than needed for a thriving kokanee fishery. During the sample period, dissolved oxygen was measured at a level of 2; a level of 5 is needed for kokanee to thrive.

The runoff that fills Lake Berryessa is rain not snow – thus, the water entering the lake is warmer than other lakes that receive their water from snowmelt (think Pardee, Melones, Pedro). Speculation is when Berryessa’s capacity level drops somewhere below 60% capacity, the hypolimnium, the lower layer of water in a stratified lake, typically cooler than the water above and relatively stagnant, is very small and that results in very low dissolved oxygen levels - causing a kokanee die off.

When Berryessa fills, the hypolimnium layer is thicker and greater dissolved oxygen is available. Many may ask, why have we not seen this earlier? Keep in mind this is the first extended drought we have experienced since kokanee have been planted in Lake Berryessa.

The last extended drought was 1986-1991; before kokanee were ever planted in Berryessa. Kyle mentioned that he was able to find sparse records noting a very low dissolved oxygen level during the 1976-1977 drought. More work is to be done, but this is good fact-based work.

The 2015 kokanee egg take resulted in

57,000 kokanee fry being planted in California lakes. All of these fingerlings were planted in Stampede during the spring of 2016. Eggs brought from Washington State resulted in 500,000 kokanee fingerlings planted in all the other lakes that received plants in 2016.

The 2016 kokanee egg take for California was zero eggs. Approximately 1 million eggs are expected from Washington State in January 2017, with an expected plant size of approximately 825,000 fingerlings planted in the spring of 2017.

All Chinook planted in California lakes currently come from the Klamath River. They are "triploided" and placed into our various inland lakes. Actual Chinook plant numbers are determined after Klamath River mitigation numbers are met (Federally Mandated).

If there are extra eggs, these are the candidates for planting into other lakes. The 2016 plant numbers for inland Chinook was 18,000 fingerlings in Shasta, 2,200 in Trinity, 1,800 in Whiskeytown and 42,000 Chinook fingerlings planted into Folsom Lake.

### Triploid Trout Getting Bigger in Lake Berryessa

The previous article regarding the kokanee fishery mentioned that all kokanee planted in California are “triploided”. The California Department of Fish and Game (DFG) stocked the first 3,400 pounds (6,800 fish) of catchable “triploid” rainbow trout in Lake Berryesss on February 15, 2011. I wrote an article regarding triploid trout in the Lake Berryessa News in 2011. I was reminded of that when Marcia and Judy at the Spanish Flat Country Store told me a few weeks ago that anglers had been coming in with 5 pound rainbow trout!

Through the mandated environmental impact studies done on California’s trout stocking program, it was found that the steelhead, a federally threatened species, could interbreed with the non-native strains of hatchery trout that could escape out the dam.

So in order to protect the genetic integrity of the native steelhead, only the sterile triploids are allowed to be stocked in Lake

Berryessa. The release standard is two trout per pound. The target was to release 40,000 pounds of triploids in the lake (80,000 fish) in the first year.

Although some folks described them as “frankenfish” the triploid trout are normal rainbows, not genetically-engineered. They have been raised to be sterile but look, fight, and taste just the same.

With no ability to reproduce, triploids focus all of their energy on eating and growing large - sometimes to exaggerated proportions. But the largest of them, 20 pounds and above, are found in the lakes of Washington and Idaho.

Triploids are rare but natural phenomena in the wild. To create thousands of them at a time took scientific experimentation. The science behind creating these fish happens during the incubation of the trout eggs.



When trout spawn, the female’s eggs possess two sets of chromosomes and the male’s sperm possess one set. After the eggs are fertilized, the chromosomes recombine and each egg inherits one set of chromosomes from the female and another set from the male — similar to humans. The third set is then kicked out of the egg. Rarely in the wild, an egg will “forget” to kick out the third set and the fish becomes what is known as a triploid (possessing three sets of chromosomes).

Triploid fish look, swim, jump, and taste like normal fish, except for one important difference—they never develop normal eggs or sperm and are unable to reproduce (i.e., they are sterile).

Through experimentation with this natural process, researchers found that they could create triploid trout both by exposing trout eggs to pressure and by placing trout eggs in a warm water bath shortly after fertilization. Both processes inhibit a trout egg’s ability to kick out that third set of chromosomes and a triploid fish is born. California’s DFG is currently using the pressure method for the production of their triploids.

The DFG plants catchable rainbows after they grow to a half-pound as part of a “put & catch” fishery that is designed for anglers to have at them for a short time. Survivability and growth are not a goal of the program. There will not be an attempt to engineer monster-size trout.

These “put & catch” fish are meant specifically for anglers to catch. A rule of thumb is that there is a 50% catch rate by anglers during the first 6 months to a year of fishing. But some percent of each plant will survive and grow. All rainbow trout have the potential for large growth spurts if they find a healthy spot, but it is unknown whether a triploid in Lake Berryessa will grow any larger than a fertile fish.

Trout feed on small insects, minnows, crustaceans and worms.

Aquatic and terrestrial insects are the main sources of natural food for trout. The triploids are not expected to have a negative effect on the number of other game fish in the lake.

Five years ago I speculated that we wouldn’t know the result for several years. Well here we are in 2017 with very large trout being caught. How many really big ones live in Lake Berryessa is unknown, as is how large they may finally get.

A lazy person like me would probably rather catch two ten-pound trout than ten two-pounders that I’d have to clean. Besides fishing is for the fun of the catch, so real anglers would rather catch more small fish than a few bigger ones (right?).

### Lake Level Status: 2/1/17

The lake level has hit 428 feet - 12 feet below Glory Hole. Looking forward to seeing the impact of the coming storms.

The lake level at this time last year was 401 feet, 27 feet lower than today.

The level has risen 29.4 feet since its low of 398.6 feet on 10/23/16.

Rainfall total remains at 26.74 inches.

At the present level, Lake Berryessa holds 1,333,162 acre-feet of water - 83.3% of its 1,600,000 A-F capacity.

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A man to a psychiatrist: “How do you select who should be admitted to your facility?”

The psychiatrist replies: “We fill a bathtub with water and give the person a spoon, a cup and a bucket. Then we ask that person to empty the bathtub.”

The man smiles: “Ah, I understand, if you are sane you would take the bucket.”

The Psychiatrist replies: “No, a sane guy pulls the plug. Do you want a room with or without a balcony?”

\*\*\*\*\*  
Wow you look great! Did you lose weight? “Hey – did you just call me ugly and fat in retrospect?!”

\*\*\*\*\*  
Hearing voices in your head is normal. Listening to them is quite common. Arguing with them – acceptable. It is only when you lose that argument that you get in real trouble.

\*\*\*\*\*  
Anton, do you think I’m a bad mother? My name is Paul.

\*\*\*\*\*  
After many years of studying at a university, I’ve finally become a PhD... or Pizza Hut Deliveryman as people say.

\*\*\*\*\*  
A German, an American and a Russian walk into a bar. The bartender looks at them suspiciously and says, “Is this some kind of a joke?”

