



BEAR VALLEY SPRINGS ASSOCIATION
Lake Quality Advisory Committee Minutes
For Monday, December 1st 2025, at 5PM Oak Tree Country Club Card Room

Fred called the meeting to order at 5:10pm

A. Attendance:

Voting Members:	<input type="checkbox"/> Fred Hicks, Chair <input type="checkbox"/> Kimberly Clow <input type="checkbox"/> Rick Flores <input type="checkbox"/> Jane Custer <input type="checkbox"/> Layne Skeels <input type="checkbox"/> Andrei Karapetian <input type="checkbox"/> Debbie Papac, Scribe <input type="checkbox"/> Paul Garibaldi <input type="checkbox"/> Jeff Gadzia, Board Member
Staff (Non-Voting):None	<input type="checkbox"/> (Ashley Krempien, Director of Recreation)
Guests:	Michael Jedlink, Jim Atwood- Wildlife Coalition

B. Approval of Agenda – After date corrections, L.Skeels made a motion. Seconded by K. Clow. No objections.

C. Approval of Minutes October minutes will be emailed to the committee. No motion to approve.

D. New Items:

1.	LQAC Membership renewal- Membership renewal process was discussed. The form was passed around. Michael Jedlink would like to join.
2.	LQAC 2025 Calendar Overview a) Halloween Carnival was discussed. The event and the new location were well received and very well attended. The interns did a great job in the fishing booth. 50 lbs. of candy was handed out by LQAC. b) Christmas party ideas- After discussion the potluck was decided for Friday, Dec. 12 at 5pm. It is a potluck and Fred volunteered to bring the meat.
3.	10 year California Department of Fish and Wildlife routine maintenance agreement application update. This was discussed at the BVSA/CSD Liaison meeting, and some questions were raised about Jamaica Dunes and Surprise Lake since they are not on the lease agreement. After discussion, these were removed from the application. More discussion addressed the Wildlife Coalitions request to unify the description of Jacks Hole. In different documents it is referred to by pond, retention basin, lake, retention pond, etc. The classification is set by the National Wetlands Database as the authority in this case. How Jacks hole is referenced internally within the BVSA and BVCS D has no bearing on the official classification assigned by the National Wetlands Database.
4.	The 2025 Lake use survey will be put out to the population in January so as not to be overwhelming the residents while the other CSD and BVSA surveys were circulating. This is the annual 5 year survey to ascertain goals and direction.
5.	Lake Levels-Fred a) Non-potable well updates: in 2025 according to CSD production records BVSA received about 48 acre feet from CSD. The yearly average is closer to 120 a.f. We have a significant decrease in the amount of water delivered. The current water management programs is the reason we were able to function throughout the year. We transferred the allotted amount from Jacks Hole- about 42 a.f. We also decreased the golf course irrigation in August. The rains helped. The lakes are down simply because there is not enough water. 4 Island is 100 acre feet from full pool. Cub Lake is down 2 ½ feet at this time. We take no water from Surprise Lake, CSD has the rights to all water within Surprise Lake.



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	<p>b) Some discussion ensued regarding the billing of water from the CSD. BVSA has some discrepancies in the billing from 2022 thru the current fiscal year. The discussions with the CSD about the billing questions have taken place over the prior 2 years. There have been some adjustments but full resolution is not imminent. CSD has combined the past 3 years' billing together instead of separating out each fiscal year and completing them separately. The staff change over has contributed to the issue.</p> <p>It was mentioned that installing meters on the downspouts of the wells would give us accurate measurements of water received and might be worth the investment.</p>
6.	<p>Water Quality -Fred</p> <p>a) We did go into a caution state for the cyanobacteria in November, since we did not remove plants from the lake in the fall their breakdown was a contributing factor.</p> <p>b) Sampling from the drainage ditches- the 1st set was very good- no high levels. This is the 1st of the 3 samples we normally take during the raining season.</p> <p>c) American Lady Vets Lake treatment discussion regarding the upcoming contract renewal went over different treatment options. The hydrogen peroxide treatments are very short lived and release the nutrients back into the water column, Fred proposed utilizing the money to bind the nutrients in a long term plan. Alum will bind the nutrients and if we use the money from the Green Clean toward Alum treatments it will be a more permanent solution. Our lakes are older and have 50 years of sediment built up, we need to prolong the life span of our lakes until we are ready to dredge. The group discussion agreed with this thought process and recommended including alum treatments. Next treatment discussed was the dying of the lake. Opinions varied over the color options and we discussed the balance of the dye treatments, the lake levels , and algae treatments.</p>
7.	<p>Fish remediation - see Addendum A – Fred</p> <p>a) The Electro Fishing Boat is built, completed, and tested. It does work and was tested in Cub Lake. Each lake has totally different conductivity. It will do an exceptional job during spring, summer and fall. Netting in the winter for remediation. Fred explained the basics of the process. Netting in November yielded 2,500 lbs of fish. 2 more sets of hoop nets need to be ordered for optimum netting.</p> <p>b) Fish in 4-Island-Bluegill, Sunfish and Golden Shiners have been noted in 4-Island Lake, but no bass. Removing Black Crappie that are under 7 inches- about a couple hundred.</p> <p>c) 7th Hole Pond yielded \$10,000 worth of fish- 3,000 Golder Shiners and Bluegill were moved to 4 Island Lake. Red Ear Sunfish over 9 inches were sampled and returned to the pond as breeding stock.</p>
1.	<p>Program outreach -Ashley and Fred</p> <p>a) Minimum Day Programs - there are quite a few minimum days. We are doing one in the spring about water safety and life vests. We're looking for new ideas for other days. The Wildlife Coalition does bluebird boxes and is willing to work with the committee to create the kits and we provide the manpower to work with the children.</p> <p>b) Program ideas for 2026 - Community Fishing Derby is already booked. Fly Fishing Class, Intro to Fishing, and looking for other ideas. Maybe a nature walk? Community education as to what we do and why. Possibly utilize the boat or carts driving to 7th Hole Pond and see the Floating Islands. We will continue with the Cub Lake Campout, 4th of July, and Halloween.</p>
8.	<p>Plants – Fred/Rick</p> <p>a) Floating island rehab project- 1 island is huge and has water mint.</p>



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	<p>b) Water hyacinth- 150 water hyacinth planted last this June turned into 18 yards of vegetation. It grows exceptionally fast and won't last through the winter so it cannot take over the lakes. That is a lot of nutrients taken out of the lakes, which is why we use them. Some hyacinth were moved into the greenhouse for the winter to plant in the spring. There won't be a greenhouse to use next winter and we need to find an alternate solution.</p> <p>c) The valve installment at Cub Lake is shelved at this time.</p>
9.	LQAC 2025 yearly goals - look at Addendum B. This is a summary of yearly goals during this year, both as a group and Fred as a consultant. This gets reported to the Board, and the Board can review this before the budget season.
10.	Committee member comments and questions - Did we pull fish from JacksHole this year? No we did not. This is alternated every other year. This is one of the places to go with the electrofishing boat in the spring because it is undated with catfish.
11.	Visitor Comments and Questions 1) Never realized the difficulty of working with Boards, public, and committees. It's hard pleasing everyone. 2) Thank you for working with the Wildlife Coalition, building relationships, and providing input.

E. Follow-Up Items: 1 items

1.	Bear Tracks articles ideas- Jan - Lake Use Survey, (Its ready to go) Feb - Where does the lake water come from?
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LQAC 2026 scheduled meetings occur at 05:00 PM Pacific Time (US and Canada): February 2nd, April 6th, June 1st, August 3rd October 5th, December 7th.



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Addendum A Fish Remediation

Netting Yearly Overview	Fish capture in pounds
Four Island	
July Fish dieoff	5,740 lbs.
Total Bullhead Catfish Harvested in pounds from January 1st 2025, to November 26th 2025	17,037 lbs
Combined fish removal for 2025 in lbs as of 11/26/2025	22,777 lbs

2025 Yearly harvest totals Four Island Lake	Number of net nights			
	Four Island Lake			
Size range	0-4 inches	4-7 inches	7-10 inches	10-13 inches
Black Crappie (-)= removed	-53.00	-2640.00	144.00	13.00
Bluegill	269.00	764.00	10.00	0.00
Redear Sunfish	0.00	8.00	31.00	0.00
Green Sunfish	4.00	21.00	0.00	0.00
Golden Shiner	60.00	3704.00	776.00	0.00
Bullhead catfish in lbs removed	-17037.00	0.00	0.00	0.00
Largemouth Bass	0.00	6.00	2.00	0.00
Channel catfish	0.00	0.00	0.00	0.00
Size range	13-16 inches	16-19 inches	19-22 inches	22-25 inches
Largemouth Bass	0.00	0.00	0.00	0.00
Channel catfish	0.00	0.00	0.00	0.00
2025 avg pounds bullheads per net night				
Jan avg pounds bullheads per net night	35.91176471			
Feb avg pounds bullheads per net night	11.78571429			
March avg pounds bullheads per net night	5.64516129			
November avg pounds bullheads per net night	8.127090301			
Fish kill in July net loss in lbs	5740			



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Addendum B 2025 LQAC Lake Goals

LQAC Lake Goals by section for 2025:

Mountain View Consulting Group is how most of the goals are implemented, and achieved

Watershed Jan 2025 - Dec 2025	
1	Continue working on adequate water supply, storage, and access. (LQAC advising BVSA through plan)
2	Evaluate and continue completing the lake shore access improvement project in manageable small pieces. (LQAC)
3	Evaluate and continue lake nursery/habitat area improvement project/ phases. (LQAC)
4	Improve the Surprise Lake drainage that flows from Surprise Lake into Cub Lake for the 2025 drainage improvement project. This project will focus on the last 330' of drainage flowing into Cub Lake. (Drainage improvement planting will be broken into small manageable sections.) (LQAC, BVSA, IGM, CSD)
5	Record, and track evaporative loss rate (LQAC)
6	Continue work on 1st peninsula within Jacks Hole
7	Continue shoreline stabilization using rock rip rap (BVSA, IGM, LQAC)
8	Continue spawning habitat improvement by installing pea gravel spawning beds (BVSA, LQAC)

Water Quality Jan 2025 - Dec 2025	
1	Continue to monitor water quality and evaluate data, improvements, testing, treatments. (LQAC to BVSA)
2	Continue to work with the State of California Water Quality Monitoring Council to report and track Harmful Algae Blooms (HAB)
3	Continue to treat Four Island Lake, and Cub Lake April through October to prevent HAB's, decrease sediment, and maintain vegetation.
4	Evaluate any additional treatments by cost and effectiveness. (LQAC)
5	Track and evaluate all testing associated costs. (LQAC)
6	Update the Lake Calendar schedule for bacterial and cyanobacteria testing. (LQAC)



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| 5 | Incorporate lake educational opportunities for all residents, fishing derbies & virtual fishing photo derby. (LQAC and BVSA) |
| 6 | Track and evaluate all fish associated costs and income. (LQAC) |

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| Plants Jan 2025 - Dec 2025 | |
| 1 | Harvest 1/3rd of the 7th Hole Pond lilies and divide the rhizomes that are favorable for multiplying.
Replant all rhizomes into the 7th Hole Pond, Four Island Lake, and Cub lake.(LQAC) |
| 2 | Continue to place and grow water hyacinth within the 7th hole pond, and Four Island Lake. In the fall all the growth will be removed. Some of the removed plants will be placed in a greenhouse for the winter to be placed back into the lakes in spring of 2026. (LQAC) |
| 3 | Improve the Surprise Lake drainage that flows from Surprise Lake into Cub Lake for the 2025 drainage improvement project. This project will focus on the last 330' of drainage flowing into Cub Lake.
(Drainage improvement planting will be broken into small manageable sections.) (LQAC, BVSA, IGM, CSD) |
| 4 | Evaluate and maintain existing floating plant islands. (LQAC) |
| 5 | Maintain floating Islands in front of the inlets feeding the lake which have the highest nutrient values.
(LQAC) |
| 6 | During the fall Cattail maintenance will be performed around all waterbodies |
| 7 | During Spring Maintain Marina Island by weed whacking before Memorial Day weekend. |
| 8 | Establish and implement a schedule for maintaining the remaining islands within Four Island and Cub Lake |

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| Recreation, Collaboration, and Partnerships Jan 2025 - Dec 2025 | |
| 1 | Repair the dock access at Cub Lake by filling in the erosion with 1.5" gravel. |
| 2 | Obtain a quote to determine the cost of adding an additional dock to Cub Lake to improve recreational fishing access (BVSA) |



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Lake Quality Advisory Committee Minutes
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3	Attend & provide educational materials at the festivities during Memorial Day, 4th of July- Booth @ Cub Lake, attend and participate in the Boat Parade and paddle races, Labor Day weekend, and Halloween Trunk or Treat. (LQAC)
4	Publicity & Public Awareness. (LQAC and BVSA management)
5	Publicity & Public Awareness to begin informing lake shore property owners and valley residents of the boundary between private property and the lake's common area. As well as explaining the importance and proper use of the common area (BVSA, GM, IGM, Fred)
6	Continue Lake Scholars Program (LQAC)
7	Continue to distribute fish fillets to the BVSA residents (MVCG)
8	Conduct a Lake use survey and compare results to the previous survey conducted in 2020

Google Drive Jan 2025 - Dec 2025	
1	Maintain the google account and email. (LQAC)
2	Continue to provide BVSA with monthly and bi-monthly water quality dashboards (LQAC)