



## **Facilities, Maintenance and Grounds:**

### Equestrian Estates

- Set up 6 events at the EQ during this past month.
- Normal boarding stall duties as scheduled.
- We are currently boarding 20 horses
- All arenas have daily dragging as scheduled.
- Started getting ready to replace the gazebo with new shade structures and horse sculpture, we will be removing old juniper bushes and planting some new shade trees along with concrete flat work.



### *Proposed completed area*

- Removed large junipers at the eq, and removed the stumps.
- Continued dragging and weed abatement on trails as needed.
- The 14 gate on the bridal trail off Reata as requested by SCE for their easement access was moved on our schedule to this month, we have installed it and SCE has placed their own lock on it for access.



### Buildings

- Regular and emergency work orders performed throughout the SVLA buildings.
- The media lounge room is ready for the Planning committee to work on interior layout and designs. We are working on getting the auto ADA doors for the main entrance and great hall door.
- Auction is complete, success as we increased our page likes and dealt with the complications with having the auction on Facebook. The old vehicles were sold for a total of \$11,300, including a parts only car as 1 of the Impalas had a bad engine.
- We have moved the event storage items over to their new home and will now be working on cleaning up the new member lounge, installing new doors.
- We have installed new LED lights on our building, low wattage and warm color to update the old incandescent globes were placed around the building.

### Grounds

- Regular work order performed at grounds, restrooms, etc., as required.
- Added pressure regulators to repair the drinking fountains at Fishing areas 4, 6 and 10.
- MLP Project phase 1 on schedule, the following items are installed at the off-leash area:
  - New wrought iron fencing and footings
  - Concrete pads for picnic tables and shade structures
  - Irrigation
  - Wrought iron gates

#### Ball field

- 150,000 sq. feet is graded
- Infield is cut and graded
- 1 tree removed
- Irrigation block wall enclosure

#### Some of still to be completed

- Ball field irrigation
- Ball field construction
- Walking path
- Flat work
- Cypress tree
- Shade trees
- 6 more shade structures
- Exercise station area
- ADA parking revision
- Hydro seed
- Removing broken branches.
- Replaced and repaired 2 area lights at the beach



## Lake and Fishing Areas:

### Marina/ Lake

- We have done a lot of sampling and testing and also looked into treating the lake to kill off the brown algae. We have sent in samples for another algae cell count to determine if the bloom is increasing, decreasing or holding. Based on secchi disk reading we are up to 1.4' of clarity, when before the Alum treatment and the bloom had a full load of nutrient rich water (ultraeutrophic) we reading less than 1' of clarity meaning the algae was more dense. Our last water sampling shows that our nutrient load is holding at a historical lower level.

From: Cody Appling [mailto:cody@aquatechnex.com]

Sent: Monday, June 04, 2018 3:42 PM

To: Dennis Teece <DTeece@svla.com>

Subject: Diatom Algae Treatment

Hi Dennis, Sorry, I know you have been waiting for this. I have been out in the field for the last week. I at least wanted to give you a quote for the algae treatment. We have 2 options. You can use Captain XTR works really well for Diatom blooms however it could kill off some trout. In Souther California we have hard water and it acts as a buffer. We would also be doing 3 treatments spread out over about 10 day period. Only treating 1/3 of the lake at a time so the Trout could swim away if they were being stressed out. This is also the cheaper option. The product that was recommended to be safer for the trout is Nautique. It is registered as a herbicide and also has copper in it as well. This product however has been proven to be less stressfull on the trout and still kill off Diatoms. It is a little more expensive. I have attached a research paper done on this product. Bellow are the 2 costs of the different treatments. Either treatment would be spread out over 10 days. 1/3 of the lake at a time. Please let me know if you have any questions on this. I still owe you a report and I will be working on that tonight.

### Breakdown Captain XTR Treatment

196 SA/3 treatments	= 65 SA per treatment
65 X top 2ft water	= 130 AF
130 AF X 2 gal XTR	= 260 gal XTR
260 gal XTR X \$35	= \$9,100
7.75% tax	= \$705.25
Aquatechnex Fee	= \$2,000
Total	= \$11,805.25
	X 3 treatments
	= \$35,415.75

### Breakdown Nautique Treatment

196 SA/3 treatments	= 65 SA per treatment
65 X top 2ft water	= 130 AF
130 AF X 2 gal XTR	= 260 gal XTR
260 gal Nautique X \$55 gal	= \$14,300
7.75% tax	= \$1,108.25
Aquatechnex Fee	= \$2,000
Total	= \$17,408.25
	X 3 treatments
	= \$52,224.75



Regards,

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Staff would not recommend that we do this treatment for the following reasons

- 1) This is a band aid for a larger issue which is laid out in our 2010 Lake clarity plan
- 2) This algae is not harmful or hazardous to manual or the fish.
- 3) The is a concern when there is a large die off of algae as it would deplete a large amount of oxygen from the water when it dies off.
- 4) The lake committee is working on a solution for long term and short term goals to address the issue our lake is experiencing and the issues pointed out in our 2010 lake clarity plan

- Here are the latest results from our last water sampling showing the nutrient loads are holding at the lower level.

2018		
Nutrient Level		
Date	Nitrate	Phosphorous
Before Alum 3/18	.39mg/L	.16mg/L
After Alum 4/26	ND	.071mg/L
After Alum 5/11	<.02mg/L	.0257mg/L
SVL Lake 6/13	<.02mg/L	.0296mg/L

- This is a copy of Spring Valley Lake food chain that was just created and posted in the Breeze for June. This was to show although algae is unsightly and currently too high of an amount it is a required part of a healthy lakes eco system.
- We are currently working on a runoff and water source flyer for community knowledge.

