

Aquatic Systems Inc
Lake and Wetland Management
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FishHawk Ranch CDD I & II
Pond Maintenance Inspection Report
November 2009

Conducted by: Joshua F. McGarry, Service Manager

Inspection Dates: 11/10/09, 11/24/09

The cooler weather in November slowed the overall growth of all submersed and emergent weeds in FishHawk Ranch. The lower average water and air temperatures, along with shorter days have contributed to the decreased amount of algae. Floating weeds like Duckweed, Azolla and Salvinia tend to thrive in these conditions because of the lower water levels. The lower pond/lake levels are caused by the lack of rainfall and dryer conditions. A good example of Azolla is on pond 4 (lower right) in CDD 1. We have started a systemic treatment on this pond and we will continue to monitor and retreat for maximum results. Aeration is another option to consider using in pond 4. The constant movement of oxygenated water will discourage floating weed growth. Pond 100 (lower left) was over 50% covered with Azolla in October and has cleared because of the systemic treatments applied throughout the month.



Pond 10 (upper left) was a priority in November. We had multiple treatments by both boat and ATV. We also did a debris removal for garbage in and around the pond. We are continuing to monitor #10 and this will remain a priority until the algae is under control. ASI has been targeting the floating weed called duckweed during September and October on pond 45 (upper right). We have been using a systemic treatment along with contact treatments to eliminate the problem. Our treatments are working as the pond is clearing up and looking much better. Pond 34 (lower left) has Slender Spikerush along with numbers 28, 29, 30, and 31, these ponds all flow into each other and that is why this submersed weed has spread. With limited flow due to less rainfall we will have better results with our systemic treatments on these ponds. In the picture of #34 you will notice the Spikerush is a dark brown, this is from our contact treatments and means that it is dying. The last picture is pond 105; this has a form of algae called Chara. The Chara is good for the clarity of the water but can become an eyesore when it tops out on the surface. This has been treated since this photo was taken and will show improvement.



The pictures below are a before and after picture of pond 52. The before was taken in mid September and the after was in late November. This site had significant alligator weed growth this summer, but with regular treatments and some cooperation with the weather, this invasive weed is under control.

Before



After



The pond pictured below is #7; this is the pond just outside of the Osprey Club and is one of the many beautiful ponds in FishHawk Ranch. This pond rarely has any problems, but on occasion will have a Planktonic Algae bloom that will make the lake look green in color. However, it is easy to treat with rapid results.

Happy Holidays from Aquatic Systems Inc.

