

Aquatic Harvesting

10/17/19

Swansboro Property Owners Association
Lake Management Report

September 26, 2019 Service:

-Trout Lake: Site inspection, no water quality services required. Excellent clarity with minimal perimeter algae and no nuisance weeds. Nuphar (lilies) floating plant – no issues. Minimal growth by outflow location. Overall, excellent water quality conditions throughout the summer months.

Recommendation: Remove all broken willow limbs/branches that are in the water and damaged from previous winter winds. The limbs/branches in question are not serving any beneficial habitat and are cause for surface algae to form around them. Upon request, AHI can provide a quote.

-Dyer Lake: Site inspection. Spot treated for perimeter for nuisance primrose growth. Water quality excellent – no mid or surface water algae problems. Aeration system operational – continue use. Perimeter buffer growth good. As water level dropped and perimeter herbicide treatments continued gaps in perimeter growth appeared. Not an issue as sedges and natural grass will fill in. Maintaining water at highest level throughout the summer was beneficial in minimizing algal issues.

Recommendation: Continue to maintain water level at its highest possible level throughout summer months.

-Twin Lake: Issues this season were minimal. Lake level remaining high through June helped minimize algae and bottom weed problems. Clarity was good but turbidity was often high due to overall shallow lake conditions and bottom weed growth. Perimeter buffer growth was excellent. Continue with mowing procedures. Floating weeds were not an issue and treated as necessary. Strategy may change regarding bottom weeds. A more aggressive approach, early in the season, may occur to minimize late summer surfacing conditions.

-Catfish Lake: This Lake mirrors Twin Lake in nuisance issues. Floating Primrose was a minimal problem around the perimeter. Bottom weeds were a minimal issue for the same reasons as Twin. Clarity was good but turbidity was often high due to overall shallow lake conditions and bottom weed growth. Perimeter buffer growth was excellent. Continue with mowing procedures. Strategy may change regarding bottom weeds. A more aggressive approach, early in the season, may occur to minimize late summer surfacing conditions.

Overall, all lakes were in excellent condition throughout the 2019 season. The long rainy season and extended cold weather were prime reasons for these conditions. It is also obvious that the longer water level can be maintained at its highest point, algae will be less of an issue and water quality (clarity) will be improved. Continuing to maintain a buffer around the lakes also aids in this process as the buffer growth will catch and filter pollutants from the surrounding watershed.

-Aeration: Always a strong recommendation but not a priority at this time with the lakes. An evaluation of costs should be undertaken to determine if solar or electrical power is best.

-Dam Face: All dam faces are in good shape as far as vegetation growth is concern. Continue to inspect and not allow any trees, shrubs and cattails to grow.

-Spillways (out & incoming): For winter/rain conditions, these areas should be cleaned of all debris and overgrown vegetation. This is to allow water to flow in or out inhibited. Do not want bare ground conditions.

-Water Quality: The use of chemicals was minimal this season and hopefully will continue into the 2020 season. Weather conditions and minimizing watershed runoff pollutants will play a significant role in the amount of chemicals required to meet acceptable threshold levels. A plan at this point would be to be aggressive early (when water stops flowing out) and frequent spot treatments. The goal of course is always to minimize the use of chemicals.

If there are any questions or concerns, please do not hesitate to contact me directly.

Thank You

David Najera

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