

Foster Lake and Pond Management

P.O. Box 1294 Garner, NC 27529 919-772-8548

Client: **Southern Village (Brook Green)**

Date: **3/13/2006**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 24

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F)

- Weather Observations:
- Sunny
 - Overcast
 - Windy
 - Rainy
 - Icy
 - Warm
 - Hot
 - Cool
 - Cold

Appearance Scale (Poor 1 - 10 Excellent):

- Aesthetic Observation:
- Good
 - Good but poor color
 - Surface film
 - Shoreline needs mowing

Other Aesthetic:

Color: Dark Green

Buckets of Trash Collected:

Vegetation:

- | | | | |
|--|--------------------------------------|--|------------------------------------|
| <input checked="" type="checkbox"/> No Problems | <input type="checkbox"/> Watermeal | <input type="checkbox"/> Hydrilla | <input type="checkbox"/> Pennywort |
| <input checked="" type="checkbox"/> Filamentous Algae (FA) | <input type="checkbox"/> Cattails | <input type="checkbox"/> Primros | <input type="checkbox"/> Milfoil |
| <input type="checkbox"/> Naiad | <input type="checkbox"/> Duckweed | <input type="checkbox"/> Parrotfeather | <input type="checkbox"/> Lilies |
| <input type="checkbox"/> Cyanobacteria (CB) | <input type="checkbox"/> Bladderwort | | |
| <input type="checkbox"/> Pondweed | Other Vegetation: | | |

Notes:

Some filamentous algae present on pond bottom.

- Applied algaecide to control vegetation
- Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- Applied herbicide to control vegetation
- Applied bacterial concentrate to help control vegetation and breakdown organic matter
- Placed barley log/pillow in water for algae control # of pounds

Erosion:

- No Problems
- Stormwater outlet
- Undercutting of banks from wave action
- Bank sloughing
- Sediment from upstream

Drain:

- No Problems
- Needs outer sleeve
- Partially clogged
- Installed standpipe sleeve
- Cleaned drain

Erosion and Drain Notes:

Pond is full, it is at lowest seep hole. Pond water level is designed to fluctuate 2-3'. Water level may drop more due to lack of rain. Lots of exposed soil due to water level fluctuations.

Fish/Wildlife

Observations:

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 3
- Frogs
- Snakes

Notes:

- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps
- Set muskrat trap(s)
- Removed muskrat traps
- Collapsed muskrat holes

Other Activities:

Recommendations:

Client: Southern Village (Glenn Heaven)

Date: 3/13/2006

Appearance Scale (Poor 1 - 10 Excellent):

- Weather Observations:
- Sunny
 - Overcast
 - Windy
 - Rainy
 - Icy
 - Warm
 - Hot
 - Cool
 - Cold

- Aesthetic Observation:
- Good
 - Good but poor color
 - Surface film
 - Shoreline needs mowing

Other Aesthetic:

Color: Green

Buckets of Trash Collected:

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 24

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F)

Vegetation:

- No Problems
- Filamentous Algae (FA)
- Naiad
- Cyanobacteria (CB)
- Pondweed
- Watermeal
- Cattails
- Duckweed
- Bladderwort
- Hydrilla
- Primros
- Parrotfeather
- Pennywort
- Milfoil
- Lilies

Other Vegetation:

Notes:

- Applied algacide to control vegetation
- Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- Applied herbicide to control vegetation
- Applied bacterial concentrate to help control vegetation and breakdown organic matter
- Placed barley log/pillow in water for algae control # of pounds

Erosion:

- No Problems
- Stormwater outlet
- Undercutting of banks from wave action
- Bank sloughing
- Sediment from upstream

Drain:

- No Problems
- Needs outer sleeve
- Partially clogged
- Installed standpipe sleeve
- Cleaned drain

Erosion and Drain Notes:

Fish/Wildlife Observations:

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 3
- Frogs
- Snakes
- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps

Notes:

- Set muskrat trap(s)
- Removed muskrat traps
- Collapsed muskrat holes

Other Activities:

Recommendations:

Client: Southern Village (School)

Date: 3/13/2006

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 24

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F)

- Weather Observations:
- Sunny
 - Overcast
 - Windy
 - Rainy
 - Icy
 - Warm
 - Hot
 - Cool
 - Cold

Appearance Scale (Poor 1 - 10 Excellent):

- Good
- Good but poor color
- Surface film
- Shoreline needs mowing

Aesthetic Observation:

Other Aesthetic:

Color: Dark Green

Buckets of Trash Collected:

Vegetation:

- No Problems
- Filamentous Algae (FA)
- Naiad
- Cyanobacteria (CB)
- Pondweed
- Watermeal
- Cattails
- Duckweed
- Bladderwort
- Hydrilla
- Primros
- Parrotfeather
- Pennywort
- Milfoil
- Lilies

Other Vegetation:

Notes:

No vegetation problems observed. Some rushes coming up - this will help stabilize the pond bank.

- Applied algacide to control vegetation
- Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- Applied herbicide to control vegetation
- Applied bacterial concentrate to help control vegetation and breakdown organic matter
- Placed barley log/pillow in water for algae control # of pounds

Erosion:

- No Problems
- Stormwater outlet
- Undercutting of banks from wave action
- Bank sloughing
- Sediment from upstream

Drain:

- No Problems
- Needs outer sleeve
- Partially clogged
- Installed standpipe sleeve
- Cleaned drain

Erosion and Drain Notes:

All banks have well established vegetation.

Fish/Wildlife Observations:

Stocked Fish

One fish swirl observed.

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs
- Snakes

Notes: Thousands of tadpoles observed. No muskrat activity observed.

- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps
- Set muskrat trap(s)
- Removed muskrat traps
- Collapsed muskrat holes

Other Activities:

Recommendations:

Client: Southern Village (Wilson Creek)

Date: 3/13/2006

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 36

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F)

- Weather Observations:
- Sunny
 - Overcast
 - Windy
 - Rainy
 - Icy
 - Warm
 - Hot
 - Cool
 - Cold

Appearance Scale (Poor 1 - 10 Excellent):

- Aesthetic Observation:
- Good
 - Good but poor color
 - Surface film
 - Shoreline needs mowing

Other Aesthetic:

Color: Green

Buckets of Trash Collected:

Vegetation:

- | | | | |
|--|--------------------------------------|--|------------------------------------|
| <input type="checkbox"/> No Problems | <input type="checkbox"/> Watermeal | <input type="checkbox"/> Hydrilla | <input type="checkbox"/> Pennywort |
| <input checked="" type="checkbox"/> Filamentous Algae (FA) | <input type="checkbox"/> Cattails | <input type="checkbox"/> Primros | <input type="checkbox"/> Milfoil |
| <input type="checkbox"/> Naiad | <input type="checkbox"/> Duckweed | <input type="checkbox"/> Parrotfeather | <input type="checkbox"/> Lilies |
| <input checked="" type="checkbox"/> Cyanobacteria (CB) | <input type="checkbox"/> Bladderwort | Other Vegetation: | |
| <input type="checkbox"/> Pondweed | | | |

Notes:

Filamentous algae and cyanobacteria is mixed with organic matter 1-2' out from bank around 50% of the pond. Visibility very high. Will need to return visit in early April to treat with boat as access is limited.

- Applied algacide to control vegetation
- Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- Applied herbicide to control vegetation
- Applied bacterial concentrate to help control vegetation and breakdown organic matter
- Placed barley log/pillow in water for algae control # of pounds

Erosion:

- No Problems
- Stormwater outlet
- Undercutting of banks from wave action
- Bank sloughing
- Sediment from upstream

Drain:

- No Problems
- Needs outer sleeve
- Partially clogged
- Installed standpipe sleeve
- Cleaned drain

Erosion and Drain Notes:

Bank sloughing present at the corner of the dam (corner away from concrete riser).

Fish/Wildlife Observations:

Stocked Fish

Observed one dead 2" bluegill, three large sterile grass carp and fifty mosquito fish.

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs
- Snakes

Notes: Beaver has eaten most trees around the pond. Dam is still present at head of the pond.

- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps
- Set muskrat trap(s)
- Removed muskrat traps
- Collapsed muskrat holes

Other Activities:

Recommendations: