

# Foster Lake and Pond Management

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

Client: **Southern Village (School)**

Date **3/3/2005**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 30

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F) 48

- 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: Olive Brown

Buckets of Trash Collected:

## Vegetation:

- |   |   |  |                                    |
|---|---|--|------------------------------------|
| <input type="checkbox"/> No Problems            | <input type="checkbox"/> Watermeal          | <input type="checkbox"/> Hydrilla      | <input type="checkbox"/> Pennywort |
| <input type="checkbox"/> Filamentous Algae (FA) | <input checked="" type="checkbox"/> Cattail | <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:

Two small patches of cattails (brown stalks) may be trimmed by landscapers to reduce appearance.

- 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

None observed.

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

Notes: Hundreds of tadpoles 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:

Mud samples were collected in 2003 to determine lime analysis. Lab results indicated, at that time, that the lake does not require any lime to be added. Next mud samples will be collected in 2006.

## Recommendations:

**Client: Southern Village (Wilson Creek)**

**Date 3/3/2005**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 20

Alkalinity (ppm)

Hardness (ppm)

pH:

Temperature (F) 44

- 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: Olive Green

Buckets of Trash Collected:

**Vegetation:**

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

Notes:

Filamentous algae present along most shorelines - out 1-3' from the shore. One barley bale observed.

- 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:

**Fish/Wildlife Observations:**

Stocked Fish

None observed.

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

Notes: Extensive beaver signs including : beaver sticks, tracks, felled trees and dams. Beaver dams exist down in Wilson Creek as well as the creek above the pond. I was unable to identify a den site at the pond, but extensively traveled trails exist going over the pond dam and into the upper creek.

- 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 (Brook Green)**

**Date 3/3/2005**

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

Water Level: Full  
 Water Level High (inches):  
 Water Level Low (inches):  
 Visibility (inches) 18  
 Alkalinity (ppm)  
 Hardness (ppm)  
 pH:

Temperature (F) 44

Other Aesthetic:

Color: Olive Green

Buckets of Trash Collected:

- Vegetation:**
- No Problems
  - Filamentous Algae (FA)
  - Naiad
  - Cyanobacteria (CB)
  - Pondweed
  - Watermeal
  - Cattail
  - Duckweed
  - Bladderwort
  - Hydrilla
  - Primros
  - Parrotfeather
  - Pennywort
  - Milfoil
  - Lilies
- Other Vegetation:

Notes:

- 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:

**Fish/Wildlife Observations:**

Stocked Fish

- Notes:
- No Wildlife Observed
  - Beaver
  - Muskrat
  - Geese
  - Ducks
  - Turtles
  - Frogs
  - Snakes
  - 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 3/3/2005**

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

Water Level: Full  
 Water Level High (inches):  
 Water Level Low (inches):  
 Visibility (inches) 20  
 Alkalinity (ppm)  
 Hardness (ppm)  
 pH:

Other Aesthetic:   
 Color: Brown  
 Buckets of Trash Collected:

Temperature (F) 46

- Vegetation:**
- No Problems
  - Filamentous Algae (FA)
  - Naiad
  - Cyanobacteria (CB)
  - Pondweed
  - Watermeal
  - Cattail
  - Duckweed
  - Bladderwort
  - Hydrilla
  - Primros
  - Parrotfeather
  - Pennywort
  - Milfoil
  - Lilies
- Other Vegetation:

Notes:

- 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:

**Fish/Wildlife Observations:**

Stocked Fish

- Notes:
- No Wildlife Observed
  - Beaver
  - Muskrat
  - Geese
  - Ducks
  - Turtles
  - Frogs
  - Snakes
  - 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:**