

# Foster Lake and Pond Management

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

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

Date **4/13/2005**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 24

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 6.5

Temperature (F) 56

- 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:

- |  |                                      |  |                                    |
|--|--------------------------------------|--|------------------------------------|
| <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"/> 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:

Filamentous algae is present along several shorelines, mixed with pollen. Algae extends out to 2' from the shore. Two barley bales observed.

- 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: Observed numerous beaver sticks, 16 new cuttings including a 6" diameter pine tree. Numerous trails observed. Unable to locate a den. With more fresh signs in the pond than below it, there likely is a den - but with no visible evidence (scent mounts, brush piles, holes, etc.).

- 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:

Took a mud sample for lime requirement analysis.

## Recommendations:

Trap Beaver

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

**Date 4/13/2005**

Water Level: High

Water Level High (inches): 2

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 8

Temperature (F) 58

- Sunny
- Overcast
- Windy
- Rainy
- Icy
- Warm
- Hot
- Cool
- Cold

Appearance Scale (Poor 1 - 10 Excellent):

Good

Aesthetic Observation:  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
- Hydrilla
- Primros
- Parrotfeather
- Pennywort
- Milfoil
- Lilies

Other Vegetation:

Notes:

Surface film consists of pollen that is thick along one windblown shoreline.

- 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:**

None observed.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- 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:**

Water is high from recent rainfall.

**Recommendations:**

**Client: Southern Village (Glenn Heaven)**

**Date 4/13/2005**

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) 24

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 9

Temperature (F) 58

Other Aesthetic:

Color: Brown

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:**

None observed.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 1
- 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:**

Took a mud sample for lime requirement analysis.

**Recommendations:**

**Client: Southern Village (School)**

**Date 4/13/2005**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 28

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 9

Temperature (F) 58

- 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: Brown

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: Surface film consists of pollen, thick along one windblown shoreline. 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:** None observed.  Stocked Fish

- 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:** Took a mud sample for lime requirement analysis.

**Recommendations:**