

# Foster Lake and Pond Management

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

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

Date: **8/30/2006**

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 6

Visibility (inches) 12

Alkalinity (ppm) 54

Hardness (ppm) 75

pH: 8

Temperature (F) 82

- 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 checked="" type="checkbox"/> No Problems | <input type="checkbox"/> Watermeal   | <input type="checkbox"/> Hydrilla      | <input type="checkbox"/> Pennywort |
| <input 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:

Tilapia and grass carp are doing a good job of keeping the vegetation under control.

- 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:

Cleaned plastic bags away from seep holes in riser.

## Fish/Wildlife Observations:

Hundreds of mosquito fish and thirty 2-6" bluegill observed.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 10
- Snakes

Notes: Small amounts of goose droppings observed along pond edge.

- 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: 8/30/2006**

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

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 5

Visibility (inches) 15

Alkalinity (ppm) 48

Hardness (ppm) 75

pH: 7.5

Temperature (F) 82

Other Aesthetic:

Color: Muddy Green

Buckets of Trash Collected:

**Vegetation:**

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

Notes: Surface film in head section consists of single cell algae - not at nuisance level.

- 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:**

Observed sixty+ baby bass, three 4-6" bluegill and hundreds of mosquito fish.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 2
- Frogs 6
- Snakes
- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps
- Set muskrat trap(s)
- Removed muskrat traps

Notes: Small amounts of goose droppings around pond edge.

Collapsed muskrat holes

**Other Activities:**

The construction beside pond is causing the water to be muddy brown.

**Recommendations:**

**Client: Southern Village (School)**

**Date: 8/30/2006**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 13

Alkalinity (ppm) 48

Hardness (ppm) 60

pH: 7.5

Temperature (F) 81

- 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: Olive Green

Buckets of Trash Collected:

**Vegetation:**

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

Notes:

Surface film consists of grass clippings around entire pond, extending 2-4' out.

- 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:

Drain looks good, a small amount of erosion present behind cattails, due to a lawn mower getting stuck. I will keep my eye on it.

**Fish/Wildlife Observations:**

Stocked Fish

Observed one 14" sterile grass carp and hundreds of mosquito fish.

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 20
- 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

Notes:

**Other Activities:**

Boated pond and picked up all woody debris floating in the middle.

**Recommendations:**

Fill in hole where mower had been stuck and seed.

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

**Date: 8/30/2006**

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

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 8

Visibility (inches) 12

Alkalinity (ppm) 54

Hardness (ppm) 75

pH: 8

Temperature (F) 83

Other Aesthetic:

Color: Olive 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:

A nice single cell algae bloom present throughout the entire water column.

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

Hundreds of mosquito fish observed.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 4
- Frogs
- Snakes

Notes: A small amount of goose droppings present around pond edge.

- 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:**