

# Foster Lake and Pond Management

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

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

Date: **8/11/2005**

Water Level: High

Water Level High (inches): 2

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 16

Hardness (ppm) 15

pH: 7.5

Temperature (F) 92

- 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:

Some organic debris present at the head of the pond extending 1' out.

- 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:

Observed one large sterile grass carp.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 2
- 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: 8/11/2005**

Water Level: High

Water Level High (inches): 2

Water Level Low (inches):

Visibility (inches) 20

Alkalinity (ppm) 24

Hardness (ppm) 30

pH: 7.5

Temperature (F) 92

- 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: Brownish 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 checked="" type="checkbox"/> Cyanobacteria (CB) | <input type="checkbox"/> Bladderwort | Other Vegetation:                      |                                    |
| <input type="checkbox"/> Pondweed                      |                                      |  |                                    |

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
- Frogs 4
- 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 (School)**

**Date: 8/11/2005**

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 4

Visibility (inches) 18

Alkalinity (ppm) 24

Hardness (ppm) 15

pH: 8

Temperature (F) 92

- 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: Light 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:

Some cattails present - not at nuisance level.

- 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:

All banks are well vegetated.

**Fish/Wildlife Observations:**

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 15
- Snakes

Notes: Two muskrat holes present in 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:**

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

**Date: 8/11/2005**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 12

Alkalinity (ppm) 56

Hardness (ppm) 60

pH: 8.5

Temperature (F) 90

- 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: Brownish Green

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 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: Cyanobacteria is 30' out at the inflow cove. Thick layer weeds present in the inflow ditch have been effectively killed by last glyphosate treatment.

- 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: Inflow creek is clear of debris.

**Fish/Wildlife Observations:** Observed 10-20 mosquito fish.

Stocked Fish

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

Notes: Beaver has dam at the 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:**