

# Foster Lake and Pond Management

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

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

Date: **10/30/2006**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 7

Temperature (F) 60

- 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:

Trace amounts of filamentous algae growing along bottom of pond. Grass carp and tilapia are doing a good job of keeping 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:

Removed organic debris from slow release orifice on riser.

## Fish/Wildlife

### Observations:

Stocked Fish

Observed three large sterile grass carp, thousands of mosquito fish and two 4-6" bluegill.

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

Seed and straw all bare soil spots around pond to improve water quality.

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

**Date: 10/30/2006**

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: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 17

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 7

Temperature (F) 60

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: Tilapia and sterile grass carp are doing a good job of keeping 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:

**Fish/Wildlife Observations:** Observed hundreds of mosquito fish, one large sterile grass carp and one 14" largemouth bass.

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:**

**Recommendations:**

**Client: Southern Village (School)**

**Date: 10/30/2006**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 7

Temperature (F) 61

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

Notes: Tilapia and sterile grass carp are doing a good job of keeping vegetation under control.

- 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: A small spot present behind cattails where a lawnmower has gotten stuck - may cause erosion issues.

**Fish/Wildlife Observations:** Observed one 18" sterile grass carp and dozens of 4-6" bluegill.

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:** Fill in holes where lawnmower has gotten stuck and seed and straw to prevent erosion problems.

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

**Date: 10/30/2006**

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: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 17

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 7

Temperature (F) 61

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:

Tilapia and grass carp are doing a good job of controlling vegetation.

- 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:**

Observed hundreds of mosquito fish, one large sterile grass carp and two tilapia.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 2
- Frogs 1
- Snakes

Notes: No new beaver activities observed around 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:**