

Foster Lake and Pond Management

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

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

Date: **9/8/2005**

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 24

Visibility (inches) 12

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 9

Temperature (F) 76

- 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: 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 | | |
| <input type="checkbox"/> Pondweed | | | |
- Other Vegetation:

Notes:

Thick phytoplankton bloom present throughout the water column.

- 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 10-20 mosquito fish.

Stocked Fish

- Notes:
- No Wildlife Observed
 - Beaver
 - Muskrat
 - Geese
 - Ducks
 - Turtles 1
 - Frogs 100
 - 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: 9/8/2005

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 12

Visibility (inches) 18

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 8

Temperature (F) 76

- 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: Reddish 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 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 10' out around the head of the pond.

- 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:

Sediment plume is 5'x15' at the head of the pond. Bank without shrubs is lacking in vegetation cover and has several areas of exposed soil.

Fish/Wildlife Observations:

Stocked Fish

Observed thousands of mosquito 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:

Reseed banks with exposed soil.

Client: Southern Village (School)

Date: 9/8/2005

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 12

Visibility (inches) 22

Alkalinity (ppm) 56

Hardness (ppm) 60

pH: 8.5

Temperature (F) 78

- 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: Dark 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:

A small patch of cattails present on school side, not at nuisance level. No other nuisance vegetation 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:

Observed two bream beds and hundreds of mosquito fish.

Stocked Fish

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles
- Frogs 15
- Snakes
- Set beaver trap(s)
- Removed beaver traps
- Set turtle trap(s)
- Removed turtle traps
- Set muskrat trap(s)
- Removed muskrat traps

Notes:

Collapsed muskrat holes

Other Activities:

Recommendations:

Client: Southern Village (Wilson Creek)

Date: 9/8/2005

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) 16

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 8.5

Temperature (F) 76

Other Aesthetic:

Color: Brownish 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:

- 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
- Snakes

Notes: There is a beaver dam present at the head of the pond. Broke a small section to help temporarily drain water.

- 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: