

Foster Lake and Pond Management

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

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

Date: **4/13/2006**

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 12

Visibility (inches) 20

Alkalinity (ppm) 48

Hardness (ppm) 60

pH: 8

Weather Observations:

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

Temperature (F) 74

Appearance Scale (Poor 1 - 10 Excellent):

8

Aesthetic Observation:

- Good
- Good but poor color
- Surface film
- Shoreline needs mowing

Other Aesthetic:

Color: Dark 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 checked="" 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:

A few specs of filamentous algae on pond bottom - not at nuisance level. Pollen covering head of pond extending 20' out from bank.

- 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:

Banks could use better vegetation coverage. Some exposed soil. Mostly due to low water.

Fish/Wildlife Observations:

Hundreds of mosquito fish 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:

Recommendations:

Client: Southern Village (Glenn Heaven)

Date: 4/13/2006

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): 12

Visibility (inches) 36

Alkalinity (ppm) 48

Hardness (ppm) 60

pH: 8.5

Temperature (F) 74

Other Aesthetic:

Color: Dark 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:

Pollen is present around banks extending 2" 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:

Banks have lots of exposed soil.

Fish/Wildlife Observations:

Stocked Fish

None observed.

- 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:

Recommendations:

Vegetate all exposed soil.

Client: Southern Village (School)

Date: 4/13/2006

Water Level: Low

Water Level High (inches):

Water Level Low (inches): 12

Visibility (inches) 24

Alkalinity (ppm) 32

Hardness (ppm) 60

pH: 8

Temperature (F) 70

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

Other Aesthetic:

Color: Dark 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: Surface film (pollen) covers 20% 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: Banks are well vegetated.

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:

Recommendations:

Client: Southern Village (Wilson Creek)

Date: 4/13/2006

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) 20

Alkalinity (ppm) 64

Hardness (ppm) 75

pH: 8

Other Aesthetic:

Color: Olive Green

Buckets of Trash Collected:

Temperature (F) 69

Vegetation:

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

Notes:

Small amounts of filamentous algae present along some shorelines. Small patches of parrotfeather present along one shorelines - not at nuisance level. Surface film consists of pollen and covers 10% of the pond.

- 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:

Spot of erosion persists along left corner of dam (15' wide, 5' deep). Maybe result of beaver burrowing.

Fish/Wildlife Observations:

Dozens of 2-4" bluegill observed.

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: