

Foster Lake and Pond Management

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

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

Date: **9/25/2006**

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 12

Alkalinity (ppm) 16

Hardness (ppm) 30

pH: 8

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: Organic bloom (green cyanobacteria) is present in water column and on surface as a film. Covers approximately 40% of the pond surface.

- 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 large sterile grass carp.

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: 9/25/2006

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 16

Alkalinity (ppm) 16

Hardness (ppm) 30

pH: 8

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: Olive 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:

- 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: One heron 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 (School)

Date: 9/25/2006

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 30

Alkalinity (ppm) 16

Hardness (ppm) 45

pH: 7.5

Temperature (F) 75

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

Appearance Scale (Poor 1 - 10 Excellent):

Good

Aesthetic Observation: 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:

- 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 10
- Snakes

Notes: Dozens 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: 9/25/2006

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 20

Alkalinity (ppm) 16

Hardness (ppm) 30

pH: 7

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: Olive

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
- 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:

End piece of drain pipe (of pipe inlet) is detached - needs to be repaired to prevent erosion around inlet.

Fish/Wildlife Observations:

Stocked Fish

None observed.

- 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: