

# Foster Lake and Pond Management

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

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

Date **6/3/2005**

Water Level: High

Water Level High (inches): 2

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 40

Hardness (ppm) 75

pH: 7

Temperature (F) 68

Weather Observations

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

Appearance Scale (Poor 1 - 10 Excellent):

8

- Aesthetic Observation:
- Good
  - Good but poor color
  - Surface film
  - Shoreline needs mowing

Other Aesthetic:

Color: Olive Green

Buckets of Trash Collected:

**Vegetation:**

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

Notes:

Two barley bales 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:**

Stocked Fish

None observed.

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

Notes: Beaver signs consist of numerous beaver sticks and five 1" diameter felled trees. Most new beaver activity is along the drainage leading into the pond where the beaver continues to rebuild a beaver dam that I have broken down twice now.

- 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 (Brook Green)**

**Date 6/3/2005**

Water Level: High

Water Level High (inches): 6

Water Level Low (inches):

Visibility (inches) 20

Alkalinity (ppm) 24

Hardness (ppm) 30

pH: 7.5

Temperature (F) 70

- 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
  - Cattail
  - Duckweed
  - Bladderwort
  - Hydrilla
  - Primros
  - Parrotfeather
  - Pennywort
  - Milfoil
  - Lilies
- Other Vegetation:

Notes:

A slight surface film at Brookgreen present at the end of the pond consists of cyanobacteria and other organic materials. Two barley bales observed.

- 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:

High water is due to recent heavy rainfall - low flow holes in riser are slowly releasing water.

**Fish/Wildlife Observations:**

Stocked Fish

Observed several mosquito fish and one large swirl.

- No Wildlife Observed
- Beaver
- Muskrat
- Geese
- Ducks
- Turtles 2
- Frogs 3
- 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 6/3/2005**

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: High

Water Level High (inches): 4

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 7

Other Aesthetic:

Color: Brown

Buckets of Trash Collected:

Temperature (F) 66

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

Notes:

- 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:**

Stocked Fish

- Notes:
- No Wildlife Observed
  - Beaver
  - Muskrat
  - Geese
  - Ducks
  - Turtles
  - Frogs 3
  - 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 (School)**

Date **6/3/2005**

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: High

Water Level High (inches): 3

Water Level Low (inches):

Visibility (inches) 24

Alkalinity (ppm) 32

Hardness (ppm) 45

pH: 6.5

Temperature (F) 70

Other Aesthetic:

Color: Brown

Buckets of Trash Collected:

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

Notes:

One patch of cattails observed - not at nuisance level. One barley bale observed.

- 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:**

One large swirl observed.

Stocked Fish

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

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:**