Foster Lake and Pond Management

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

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

Date: ***12/1/2005***

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 7

Weather Observations:
- [x] Sunny
- [ ] Overcast
- [ ] Windy
- [ ] Rainy
- [ ] Icy
- [ ] Warm
- [ ] Hot
- [x] Cool
- [ ] Cold

Temperature (F) 54

Appearance Scale (Poor 1 - 10 Excellent): 8

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

Other Aesthetic:

Color:

Buckets ofTrash Collected: 5

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

Other Vegetation:

Notes:

- [ ] Applied algaecide to control vegetation
- [x] 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 0.0

Erosion:
- [x] No Problems
- [ ] Stormwater outlet
- [ ] Undercutting of banks from wave action
- [ ] Bank sloughing
- [ ] Sediment from upstream

Drain:
- [x] No Problems
- [ ] Needs outer sleeve
- [ ] Partially clogged
- [ ] Installed standpipe sleeve
- [ ] Cleaned drain

Erosion and Drain Notes:

Fish/Wildlife Observations:

- [ ] Stocked Fish

Two dead tilapia (removed).

- [x] 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: ***12/1/2005***

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 18

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 7

Weather Observations:
- [x] Sunny
- [ ] Overcast
- [ ] Windy
- [ ] Rainy
- [ ] Icy
- [ ] Warm
- [ ] Hot
- [x] Cool
- [ ] Cold

Temperature (F) 54

Appearance Scale (Poor 1 - 10 Excellent): 7

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

Other Aesthetic:

Color: Brownish Green

Buckets ofTrash Collected: 2

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

Other Vegetation:

Notes: Some organic debris covering 5% of the pond.

- [ ] Applied algaecide to control vegetation
- [x] 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 0.0

Erosion:
- [ ] No Problems
- [ ] Stormwater outlet
- [ ] Undercutting of banks from wave action
- [x] Bank sloughing
- [ ] Sediment from upstream

Drain:
- [x] No Problems
- [ ] Needs outer sleeve
- [ ] Partially clogged
- [ ] Installed standpipe sleeve
- [ ] Cleaned drain

Erosion and Drain Notes: Banks are not well vegetted and are eroding slightly.

Fish/Wildlife Observations:

None observed.

- [ ] Stocked Fish

- [x] 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: ***12/1/2005***

Appearance Scale (Poor 1 - 10 Excellent): 7

Weather Observations:
- [x] Sunny
- [ ] Overcast
- [ ] Windy
- [ ] Rainy
- [ ] Icy
- [ ] Warm
- [ ] Hot
- [x] Cool
- [ ] Cold

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

Other Aesthetic:

Color: Brownish Green

Buckets ofTrash Collected: 2

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 16

Alkalinity (ppm) 40

Hardness (ppm) 45

pH: 7

Temperature (F) 54

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

Other Vegetation:

Notes: No vegetation present. 5% of the pond covered with surface film (organic matter).

- [ ] Applied algaecide to control vegetation
- [x] 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 0.0

Erosion:
- [x] No Problems
- [ ] Stormwater outlet
- [ ] Undercutting of banks from wave action
- [ ] Bank sloughing
- [ ] Sediment from upstream

Drain:
- [x] No Problems
- [ ] Needs outer sleeve
- [ ] Partially clogged
- [ ] Installed standpipe sleeve
- [ ] Cleaned drain

Erosion and Drain Notes:

Fish/Wildlife Observations:

One dead tilapia removed.

- [ ] Stocked Fish

- [x] 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 (Wilson Creek)***

Date: ***12/1/2005***

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 16

Alkalinity (ppm) 40

Hardness (ppm) 60

pH: 8

Weather Observations:
- [x] Sunny
- [ ] Overcast
- [ ] Windy
- [ ] Rainy
- [ ] Icy
- [ ] Warm
- [ ] Hot
- [x] Cool
- [ ] Cold

Temperature (F) 54

Appearance Scale (Poor 1 - 10 Excellent): 7

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

Other Aesthetic: Trashy

Color: Green

Buckets ofTrash Collected: 4

Vegetation:
- [x] No Problems
- [ ] Filamentous Algae (FA)
- [ ] Naiad
- [ ] Cyanobacteria (CB)
- [ ] Pondweed
- [ ] Watermeal
- [ ] Cattails
- [ ] 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 0.0

Erosion:
- [x] No Problems
- [ ] Stormwater outlet
- [ ] Undercutting of banks from wave action
- [ ] Bank sloughing
- [ ] Sediment from upstream

Drain:
- [x] No Problems
- [ ] Needs outer sleeve
- [ ] Partially clogged
- [ ] Installed standpipe sleeve
- [ ] Cleaned drain

Erosion and Drain Notes: Stormwater outlets are clear of debris and are not eroding banks.

Fish/Wildlife Observations:

- [ ] Stocked Fish

- [x] No Wildlife Observed
- [x] Beaver
- [ ] Muskrat
- [ ] Geese
- [ ] Ducks
- [ ] Turtles
- [ ] Frogs
- [ ] Snakes

Notes: Beaver dam present at the head of the 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: