Foster Lake and Pond Management

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

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

Date: ***7/28/2005***

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 16

Alkalinity (ppm) 48

Hardness (ppm) 45

pH: 8.5

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

Temperature (F) 88

Appearance Scale (Poor 1 - 10 Excellent): 7

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

Other Aesthetic: Trashy

Color: Olive 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: Weeds are growing in the rip-rap at the stormwater drain by the access road. Sprayed this to enable better flow into the pond.

- [ ] Applied algaecide to control vegetation
- [ ] Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- [x] Applied herbicide to control vegetation
- [x] 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: Vegetation present in rip-rap is causing minor soil erosion around the ditch.

Fish/Wildlife Observations:

None observed.

- [ ] Stocked Fish
- [ ] No Wildlife Observed
- [x] Beaver
- [ ] Muskrat
- [ ] Geese
- [ ] Ducks
- [x] Turtles 6
- [x] Frogs 12
- [ ] Snakes

Notes: Beaver dam present at the head of the pond. Sticks and small trees observed around the edge 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:

Client: ***Southern Village (Glenn Heaven)***

Date: ***7/28/2005***

Appearance Scale (Poor 1 - 10 Excellent): 7

Weather Observations:
- [x] Sunny
- [ ] Overcast
- [ ] Windy
- [ ] Rainy
- [ ] Icy
- [ ] Warm
- [x] Hot
- [ ] 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) 24

Hardness (ppm) 30

pH: 8.5

Temperature (F) 90

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

Other Vegetation:

Notes: Cyanobacteria present at the head of the pond covering 5% of the pond surface.

- [ ] Applied algaecide to control vegetation
- [ ] Applied herbicide to control vegetation
- [ ] Placed barley log/pillow in water for algae control
- [x] Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- [x] Applied bacterial concentrate to help control vegetation and breakdown organic matter

# of pounds 0.0

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

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

Erosion and Drain Notes: Minimal amounts of sediment present from construction upstream.

Fish/Wildlife Observations:

Observed 10-20 mosquito fish and four 2-4" bream.

- [ ] Stocked Fish

- [ ] No Wildlife Observed
- [ ] Beaver
- [ ] Muskrat
- [ ] Geese
- [ ] Ducks
- [x] Turtles 3
- [x] Frogs 12
- [ ] Snakes

Notes: No muskrat activity 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: ***7/28/2005***

Appearance Scale (Poor 1 - 10 Excellent): 6

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

Aesthetic Observation:
- [ ] Good
- [x] 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) 24

Hardness (ppm) 30

pH: 8

Temperature (F) 92

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

Other Vegetation:

Notes: Some cyanobacteria and other organic debris observed floating on the pond surface.

- [ ] Applied algaecide to control vegetation
- [ ] Applied herbicide to control vegetation
- [ ] Placed barley log/pillow in water for algae control
- [x] Added colorant to help shade out bottom growing vegetation and/or mask muddiness
- [x] Applied bacterial concentrate to help control vegetation and breakdown organic matter

# 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:

Observed ten mosquito fish and other large swirls.

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

Notes: Collapsed two muskrat holes.

- [ ] Set beaver trap(s)
- [ ] Removed beaver traps
- [ ] Set turtle trap(s)
- [ ] Removed turtle traps
- [ ] Set muskrat trap(s)
- [ ] Removed muskrat traps
- [x] Collapsed muskrat holes

Other Activities:

Recommendations:

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

Date: ***7/28/2005***

Water Level: Full

Water Level High (inches):

Water Level Low (inches):

Visibility (inches) 20

Alkalinity (ppm) 48

Hardness (ppm) 45

pH: 8.5

Weather Observations:
- [x] Sunny
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- [ ] Windy
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- [ ] Icy
- [ ] Warm
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Temperature (F) 88

Appearance Scale (Poor 1 - 10 Excellent): 6

Aesthetic Observation:
- [ ] Good
- [x] Good but poor color
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Other Aesthetic: Trashy

Color: Brownish Green

Buckets ofTrash Collected: 4

Vegetation:
- [x] No Problems
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- [ ] Duckweed
- [ ] Bladderwort
- [ ] Hydrilla
- [ ] Primros
- [ ] Parrotfeather
- [ ] Pennywort
- [ ] Milfoil
- [ ] Lilies

Other Vegetation:

Notes: Observed lots of debris and trash along the bank.

- [ ] 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
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Erosion and Drain Notes:

Fish/Wildlife Observations:

Observed ten mosquito fish.

- [ ] Stocked Fish
- [ ] No Wildlife Observed
- [ ] Beaver
- [ ] Muskrat
- [ ] Geese
- [ ] Ducks
- [ ] Turtles
- [x] Frogs 14
- [ ] Snakes

Notes: Lots 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: