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RECORD OF MANAGEMENT SERVICE AT UPPER GREENWOOD LAKE - 2016

April 18

Lake survey. Secchi depth (feet): 7.0. Temperature (c): 14.5

Boat Launch Cove: A few bladderwort plants were observed. Spirogyra, sp. was on the bottom.

Beach Cove: Eurasian milfoil was scattered and low (6").

Audobon Cove: Bladderwort and whorled milfoil were scattered (1'-2' tall). A few Eurasian milfoil plants were observed (6"). A small amount of Spirogyra, sp. was on the surface.

Firehouse Cove: Eurasian milfoil was scattered (6"). Spirogyra, sp. was on the bottom to the north.

Behind Islands: Bladderwort and Eurasian milfoil were scattered (6").

Yardville Cove: Water starwort was patchy. Bladderwort, Eurasian milfoil, and whorled milfoil were scattered (6"). Some Spirogyra, sp. was observed.

Bridge Cove: Water starwort was patchy. A few bladderwort plants were observed. Spirogyra, sp. was on the bottom to the south.

Glenwood Cove: Water starwort was patchy. Bladderwort and Eurasian milfoil were scattered (6"). Spirogyra, sp. was observed to the south.

Dover Cove: Spirogyra, sp. was on the bottom.

Deli Cove: Bladderwort, whorled milfoil, and Eurasian milfoil were scattered.

The Chute: Bladderwort was scattered.

Witte Cove: Bladderwort and Eurasian milfoil (6") were scattered. Spirogyra, sp. was on the bottom to the south.

Causeway Cove #1: Eurasian milfoil was scattered (6"). Spirogyra, sp. was on the bottom.

Causeway Cove #2: A few bladderwort plants were observed. A small amount of Spirogyra, sp. was observed to the east.

Laurel Cove: Bladderwort and low Eurasian milfoil were scattered.

Laramie Cove: Bladderwort was scattered. Some Spirogyra, sp. was observed. Water lilies were emerging from the hydrosol.

Pioneer Cove: A few low Eurasian milfoil plants were observed. Spirogyra, sp. was on the bottom.

Pioneer Canal: Water starwort was patchy. Eurasian milfoil (6") and whorled milfoil (1'-2') were scattered

The Bowl: Bladderwort was scattered. Eurasian milfoil and whorled milfoil were low. A few water starwort plants were observed.

Racetrack Cove: A few bladderwort and whorled milfoil plants were observed. Spirogyra, sp. was on the bottom to the north.

May 9

Lake survey. Secchi depth (feet): 10.5. Temperature (C): 14.5

Boat Launch Cove: Milfoil was patchy and low to the north. Curlyleaf pondweed was scattered. A few bladderwort plants were observed.

Beach Cove: Milfoil was scattered and low. Some patchy low largeleaf pondweed and Nitella, sp. were observed. A few bladderwort plants were observed.

Audobon Cove: Bladderwort, Eurasian milfoil, and whorled milfoil were scattered to patchy. Largeleaf pondweed was patchy and low.

Firehouse Cove: Curlyleaf pondweed and Eurasian milfoil were scattered. A few bladderwort plants were observed. Largeleaf pondweed was low to the south.

Behind Islands: Bladderwort, Eurasian milfoil, and curlyleaf pondweed were scattered. Largeleaf pondweed was patchy and low.

Yardville Cove: Water starwort and whorled milfoil were patchy. Eurasian milfoil, cabomba, and bladderwort were scattered. Low patches of largeleaf pondweed were observed. A small amount of Spirogyra, sp. was observed.

Bridge Cove: Water starwort and whorled milfoil were patchy. A few bladderwort and Eurasian milfoil plants were observed. Largeleaf pondweed was low.

Glenwood Cove: Water starwort was patchy. Eurasian milfoil and western milfoil were scattered. A few bladderwort and largeleaf pondweed plants were observed.

West Shore: Curlyleaf pondweed was patchy. Largeleaf pondweed was patchy and low. Eurasian milfoil was scattered.

The Chute: Curlyleaf pondweed, bladderwort, and milfoil were scattered. Largeleaf pondweed were patchy and low.

Deli Cove: Largeleaf pondweed was patchy and low. Curlyleaf pondweed, Eurasian milfoil, and western milfoil were scattered.

Witte Cove: Curlyleaf pondweed, bladderwort, and Eurasian milfoil were scattered. Largeleaf pondweed was patchy and low. Cabomba was emerging from the hydrosol.

Causeway Cove #1: Eurasian mifoil was scattered. Largeleaf pondweed was low.

Causeway Cove #2: Eurasian milfoil was scattered. A few bladderwort and low largeleaf pondweed plants were observed.

Laurel Cove: Curlyleaf pondweed, Eurasian milfoil, and largeleaf pondweed were scattered. A few bladderwort plants were observed.

Laramie Cove: Bladderwort was scattered. A few Eurasian milfoil and largeleaf pondweed plants were observed. A small amount of Spirogyra, sp. was found.

Pioneer Cove: A few milfoil plants were observed. Naiads were emerging from the hydrosol. A few low narrowleaf pondweed plants were observed.

Pioneer Canal: Water starwort was patchy. Eurasian milfoil and western milfoil were scattered. Some naiads were emerging from the hydrosol.

The Bowl: Largeleaf pondweed was patchy and low. Milfoil and curlyleaf pondweed were scattered. A few bladderwort and water starwort plants were observed.

Racetrack Cove: Curlyleaf pondweed and milfoil were scattered. Largeleaf pondweed was patchy and low. A few bladderwort plants were observed.

AAI recommends treatment of northeast lake (single application) and Witte Cove (1st half of split application) by the end of next week (5/20/16).

May 16

Secchi depth (feet): 9.0. Temperature (C): 13.0. Dissolved oxygen (mg/L): 10.1. pH: 6.5

Treated Northeast Lake (Audobon Cove, Firehouse Cove, Yardville Cove, Bridge Cove, Glenwood Cove, and around Islands) with Sonar A.S. (single application) to control the growth of milfoil, cabomba, curlyleaf pondweed, and bladderwort. Treatment area: 65.0 acres.

May 18

Secchi depth (feet): 9.0. Temperature (C): 14.0. Dissolved oxygen (mg/L): 9.7. pH: 6.5

Treated Witte Cove with Sonar A.S. (first half of split application) to control the growth of milfoil, cabomba, curlyleaf pondweed, and bladderwort. Treatment area: 37.0 acres.

June 1

Lake survey. Secchi depth (feet): 9.5. Temperature (c): 26.5. Dissolved oxygen (mg/L): 8.8. pH: 6.5

Boat Launch Cove: Largeleaf pondweed was patchy to the south. Milfoil was patchy to the north. Curlyleaf pondweed was scattered.

Beach Cove: Largeleaf pondweed was patchy and low. Milfoil was scattered. Low Nitella, sp. patches were observed.

Audobon Cove: Chlorosis was observed on bladderwort and milfoil. Largeleaf pondweed was patchy and low. Spirogyra, sp. was observed to the north.

Firehouse Cove: Most curlyleaf pondweed dropped. Chlorosis was observed on milfoil and bladderwort. Some patchy largeleaf pondweed was observed.

Behind Islands: Some curlyleaf pondweed dropped. Chlorosis was observed on milfoil and bladderwort. Largeleaf pondweed was patchy.

Yardville Cove: Chlorosis was observed on milfoil, bladderwort, cabomba and water starwort. Largeleaf pondweed patches were observed.

Bridge Cove: Chlorosis was observed on milfoil, water starwort, and bladderwort. Some low largeleaf pondweed was observed.

Glenwood Cove: Chlorosis was observed on milfoil, water starwort, and bladderwort. Some largeleaf pondweed was observed.

West Shore: Most curlyleaf pondweed dropped. Chlorosis was observed on milfoil. Largeleaf was patchy.

The Chute: Milfoil and curlyleaf pondweed was scattered. Largeleaf pondweed was patchy. A few bladderwort plants were observed.

Deli Cove: Largeleaf pondweed was patchy. Milfoil & curlyleaf pondweed were scattered. A few tapegrass plants were observed.

Witte Cove: Chlorosis was observed on curlyleaf pondweed and spatterdock. Milfoil, bladderwort, and cabomba were scattered. Largeleaf pondweed was patchy.

Causeway Cove #1: Chlorosis was observed on milfoil. Largeleaf pondweed was low.

Causeway Cove #2: Some chlorosis was observed on milfoil. Largeleaf pondweed was low. A few bladderwort plants were observed.

Laurel Cove: Largeleaf pondweed was scattered to patchy. Curlyleaf pondweed and milfoil were scattered. A few bladderwort plants were observed.

Laramie Cove: Largeleaf pondweed and bladderwort were scattered. A few milfoil plants and naiads were observed.

Pioneer Cove: A few milfoil plants were observed. Naiads and narrowleaf pondweed were low. A small amount of Spirogyra, sp. was observed.

Pioneer Canal: Water starwort and naiads were patchy. Milfoil and largeleaf pondweed were scattered.

The Bowl: Largeleaf pondweed was patchy. Milfoil, curlyleaf pondweed, and water starwort were scattered. A few bladderwort plants were observed.

Racetrack Cove: Milfoil and curlyleaf pondweed were scattered. Largeleaf pondweed was patchy. Some low naiads were observed.

Treated Witte Cove with Sonar A.S. (2nd half of split application) to control the growth of milfoil, cabomba, curlyleaf pondweed, and bladderwort. Treatment area: 37.0 acres

June 16

Lake survey. Secchi depth (feet): 9.5. Temperature (c): 22.5

Boat Launch Cove: Largeleaf pondweed was patchy to the south. Milfoil was patchy to the north. Curlyleaf pondweed was scattered. A few bladderwort plants were observed.

Beach Cove: Largeleaf pondweed was patchy in the swim area and south of the clubhouse. Milfoil was scattered. Nitella, sp. was low.

Audobon Cove: Largeleaf pondweed was patchy. Narrowleaf pondweed was scattered. Spirogyra, sp. was on the bottom.

Firehouse Cove: Largeleaf pondweed was patchy. Spirogyra, sp. was on the bottom to the north.

Behind Islands: Largeleaf pondweed was patchy. Spirogyra, sp. was coming up from the bottom.

Yardville Cove: Largeleaf pondweed patches were observed. Some new cabomba was emerging to the south. Spirogyra, sp. was observed to the north.

Bridge Cove: A few cabomba and milfoil plants were observed (chlorosis and stripping of leaves). Largeleaf pondweed was scattered.

Glenwood Cove: Cabomba and milfoil were scattered (chlorosis and stripping of leaves). Largeleaf pondweed was patchy.

West Shore: Milfoil was scattered (chlorosis and stripping of leaves). Largeleaf pondweed was patchy. Some Spirogyra, sp. was observed.

Big Island: Largeleaf pondweed patches were observed off the north shore.

Dover Cove: Milfoil and curlyleaf pondweed were scattered. Tapegrass and largeleaf pondweed were patchy and low.

Deli Cove: Largeleaf pondweed patches were observed. Milfoil and curlyleaf pondweed were scattered to patchy. A few tapegrass plants were observed.

The Chute: Largeleaf pondweed patches were observed. Milfoil and curlyleaf pondweed were scattered.

Witte Cove: Chlorosis was observed on milfoil and cabomba. Curlyleaf pondweed dropped. Largeleaf pondweed was patchy.

Causeway Cove #1: Chlorosis was observed on milfoil. Some low largeleaf pondweed plants were observed.

Causeway Cove #2: Chlorosis was observed on milfoil and bladderwort. Some largeleaf pondweed plants were observed.

Laurel Cove: Largeleaf pondweed was scattered to patchy. Milfoil, bladderwort, and curlyleaf pondweed were scattered.

Laramie Cove: Largeleaf pondweed was scattered to patchy. Bladderwort and milfoil were scattered. A few naiads were observed. A small amount of Spirogyra, sp. was observed.

Pioneer Cove: Naiads were scattered and low. A few milfoil and narrowleaf pondweed plants were observed. Spirogyra, sp. was on the bottom.

Pioneer Canal: Water starwort and naiads were patchy. Milfoil and largeleaf pondweed were scattered. Spirogyra, sp. was on the bottom.

The Bowl: Largeleaf pondweed patches were observed. Milfoil, water starwort, and curlyleaf pondweed were scattered.

Racetrack Cove: Milfoil and curlyleaf pondweed were scattered to patchy. Largeleaf pondweed was patchy. Naiads were low.

AAI recommends treatment of beach swim area with AquaStrike to control the growth of largeleaf pondweed and milfoil.

June 17

Secchi depth (feet): 9.5. Temperature (C): 22.0. Dissolved oxygen (mg/L): 9.4. pH: 6.5

Treated Beach Swim Area (AquaStrike/Cutrine-Plus) to control the growth of largeleaf pondweed, milfoil, and Nitella, sp. Treatment area: 1.0 acre.

June 30

Lake survey. Secchi depth (feet): 9.0

Boat Launch Cove: Largeleaf pondweed and milfoil were patchy. Curlyleaf pondweed was scattered. Some low naiads were observed.

Beach Cove: Most milfoil and Nitella, sp. dropped in the beach area. Some largeleaf pondweed dropped and most plants had brown leaves (in swim area). Scattered milfoil, low Nitella, sp., and patchy largeleaf pondweed were observed in the remainder of the cove.

Audobon Cove: Largeleaf pondweed was patchy. Narrowleaf pondweed was scattered. A few bladderwort plants were observed. Filamentous algae was on the bottom.

Firehouse Cove: Largeleaf pondweed was patchy. Some Spirogyra, sp. was on the bottom.

Behind Islands: Largeleaf pondweed was patchy.

Yardville Cove: Largeleaf pondweed patches were observed. A few scattered cabomba plants were observed.

Bridge Cove: A few cabomba plants were observed. Largeleaf pondweed plants were scattered.

Glenwood Cove: Cabomba was scattered (some chlorosis). Largeleaf pondweed was patchy.

West Shore: Largeleaf pondweed was observed. A few tapegrass plants were observed.

The Chute: Largeleaf pondweed patches were observed. Milfoil and curlyleaf pondweed were scattered. A few tapegrass plants were observed.

Dover Cove: Tapegrass and largeleaf pondweed (mostly low) were patchy. Milfoil was scattered. A few curlyleaf pondweed plants were observed.

Deli Cove: Largeleaf pondweed patches were observed. Milfoil and curlyleaf pondweed were scattered to patchy. A few tapegrass and coontail plants were observed.

Witte Cove: Largeleaf pondweed was patchy. A few cabomba plants were observed (some chlorosis). Filamentous algae was on the bottom to the south.

Causeway Cove #1: Largeleaf pondweed was patchy.

Causeway Cove #2: Largeleaf pondweed was patchy. A few milfoil plants were observed.

Laurel Cove: Largeleaf pondweed was patchy. Milfoil was scattered. Bladderwort and curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed was scattered to patchy. Milfoil and low naiads were scattered. A few bladderwort plants were observed. A small amount of Spirogyra, sp. was observed.

Pioneer Cove: Naiads were patchy and low. A few milfoil and narrowleaf pondweed plants were observed. Spirogyra, sp. was on the bottom.

Pioneer Canal: Naiads and water starwort were patchy. Milfoil and largeleaf pondweed were scattered. A few bladderwort plants were observed.

The Bowl: Largeleaf pondweed patches were observed. Milfoil, curlyleaf pondweed and water starwort were scattered.

Racetrack Cove: Largeleaf pondweed was patchy. Milfoil, curlyleaf pondweed, and low naiads were scattered to patchy.

July 20

Lake survey. Secchi depth (feet): 10.5

Boat Launch Cove: Largeleaf pondweed was scattered to patchy. Low naiad patches were observed. Tapegrass was patchy. Milfoil was scattered.

Beach Cove: Largeleaf pondweed was patchy. Nitella, sp. was patchy and low. Milfoil was scattered. A few curlyleaf pondweed plants were observed.

Audobon Cove: Largeleaf pondweed patches were observed. Low naiad patches were observed. Milfoil was scattered. A small amount of watermeal was observed to the north.

Firehouse Cove: Largeleaf pondweed was patchy. Low naiad patches were observed. A few milfoil and narrowleaf pondweed plants were observed.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed.

Yardville Cove: Largeleaf pondweed patches were observed. Low naiad patches were observed. Milfoil was scattered. A few cabomba plants were observed.

Bridge Cove: Some scattered largeleaf pondweed plants were observed. Naiads were patchy and low. A few cabomba plants were observed.

Glenwood Cove: Largeleaf pondweed patches were observed. Low naiad patches were observed. A small amount of filamentous algae was observed to the west.

West Shore: Largeleaf pondweed patches were observed. Milfoil was scattered to patchy. A few tapegrass plants were observed.

Big Island: Largeleaf pondweed patches were observed off the north shore.

The Chute: Largeleaf pondweed patches were observed. Milfoil and curlyleaf pondweed were scattered. A few tapegrass plants were observed.

Dover Cove: Largeleaf pondweed was scattered with a patch by entrance. Naiads were patchy and low. Tapegrass was scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered. A few curlyleaf pondweed plants were observed.

Witte Cove: Largeleaf pondweed was patchy. Water was turbid.

Causeway Cove #1: Some largeleaf pondweed was observed.

Causeway Cove #2: Largeleaf pondweed was patchy by entrance. A few milfoil plants were observed.

Laurel Cove: Largeleaf pondweed patches were observed. Milfoil was scattered. A few bladderwort and curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed was scattered to patchy. Tapegrass, milfoil, and low naiads were scattered. A few water starwort plants were observed.

Pioneer Cove: Naiads were patchy and low. Milfoil was scattered. A few narrowleaf and largeleaf pondweed plants were observed. A small amount of filamentous algae was observed.

Pioneer Canal: Milfoil was patchy. Naiads were patchy and low. Largeleaf pondweed was scattered to patchy. A few water starwort plants were observed. Water was very turbid.

The Bowl: Largeleaf pondweed patches were observed. Some tapegrass plants were observed. A few milfoil, curlyleaf pondweed, and water starwort plants were observed.

Racetrack Cove: Low naiad patches were observed. Largeleaf pondweed and milfoil were patchy. A few cabomba and bladderwort plants were observed.

Bryozoans and filamentous algae were observed on the bottom throughout the lake.

August 4

Lake survey. Secchi depth (feet): 10.0. Temperature: 25.5 (C). Dissolved oxygen: 8.3 mg/L. pH: 6.5

Boat Launch Cove: Low naiad patches were observed. Some patchy largeleaf pondweed and tapegrass was observed. Milfoil was scattered.

Beach Cove: Largeleaf pondweed was patchy. Low Nitella, sp. patches were observed. Milfoil was scattered. A few curlyleaf pondweed plants were observed.

Audobon Cove: Largeleaf pondweed patches were observed. Low naiad patches were observed. Milfoil was scattered.

Firehouse Cove: Largeleaf pondweed was patchy. Low naiad patches were observed. Narrowleaf pondweed was scattered. A few milfoil plants were observed.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed.

Yardville Cove: Largeleaf pondweed and low naiad patches were observed. Milfoil was scattered. A few cabomba plants were observed.

Bridge Cove: Naiads were patchy and low. Largeleaf pondweed was scattered. A few cabomba and bladderwort plants were observed.

Glenwood Cove: Largeleaf pondweed and low naiad patches were observed. A few bladderwort plants were observed.

West Shore: Largeleaf pondweed patches were observed. Milfoil was scattered to patchy. Tapegrass was scattered.

The Chute: Largeleaf pondweed patches were observed. Tapegrass was scattered to patchy. Milfoil and curlyleaf pondweed were scattered.

Dover Cove: Largeleaf pondweed was scattered to patchy. Naiads were patchy and low. Tapegrass was scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered. A few cabomba and curlyleaf pondweed plants were observed.

Witte Cove: Largeleaf pondweed was patchy.

Marlboro Cove: Largeleaf pondweed was patchy.

Causeway Cove #1: Some largeleaf pondweed was observed.

Causeway Cove #2: Largeleaf pondweed was patchy. A few milfoil plants were observed.

Laurel Cove: Largeleaf pondweed patches were observed. Milfoil was scattered. A few curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed was patchy. Tapegrass, milfoil, and patchy low naiads were scattered. A few water starwort plants were observed.

Pioneer Cove: Naiads were patchy and low. Milfoil was scattered. A few narrowleaf and largeleaf pondweed plants were observed.

Pioneer Canal: Milfoil, largeleaf pondweed, and low naiads were patchy. A few water starwort plants were observed.

The Bowl: Largeleaf pondweed patches were observed. Tapegrass was patchy. A few milfoil, curlyleaf pondweed, and water starwort plants were observed.

Racetrack Cove: Largeleaf pondweed and milfoil were patchy. Low naiad patches were observed. A few cabomba plants were observed.

Treated The Bowl (Aquathol-K/Cutrine-Plus) to control the growth of largeleaf pondweed, curlyleaf pondweed, and filamentous algae.

Treated Marlboro Cove (Aquathol-K/Cutrine-Plus) to control the growth of largeleaf pondweed and filamentous algae.

August 18

Lake survey. Secchi depth (feet): 5.0. Temperature (C): 27.5. Dissolved oxygen (mg/L): 5.6

Boat Launch Cove: Naiad patches were observed. Largeleaf pondweed and tapegrass were patchy. Milfoil was scattered. A small amount of filamentous algae was observed.

Beach Cove: Largeleaf pondweed was patchy. Milfoil was scattered. A few curlyleaf pondweed plants were observed. Low Nitella, sp. patches were observed.

Audobon Cove: Largeleaf pondweed and naiad (mostly low) patches were observed. Milfoil and bladderwort were scattered.

Firehouse Cove: Largeleaf pondweed was patchy. Low naiad patches were observed. Narrowleaf pondweed was scattered. A few milfoil and bladderwort plants were observed.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed.

Yardville Cove: Largeleaf pondweed and naiad (mostly low) patches were observed. Milfoil was scattered. A few cabomba plants were observed.

Bridge Cove: Naiads were patchy and low. Largeleaf pondweed was scattered. A few cabomba plants were observed.

Glenwood Cove: Largeleaf pondweed and naiad (mostly low) patches were observed. Bladderwort was scattered.

West Shore: Largeleaf pondweed patches were observed. Milfoil and naiads (mostly low) were patchy. Tapegrass and bladderwort were scattered.

The Chute: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil and curlyleaf pondweed were scattered. A few bladderwort plants were observed.

Dover Cove: Largeleaf pondweed was patchy. Naiads were low. Tapegrass was scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered. A few cabomba plants were observed.

Witte Cove: Largeleaf pondweed was patchy. A few bladderwort plants were observed.

Marlboro Cove: Some largeleaf pondweed dropped (some brown leaves).

Causeway Cove #1: Some largeleaf pondweed was observed. A few bladderwort plants were observed.

Causeway Cove #2: Largeleaf pondweed was patchy. A few milfoil plants were observed.

Laurel Cove: Largeleaf pondweed patches were observed. Milfoil was scattered. A few flatleaf and curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed was patchy. Naiads were patchy and low. Tapegrass and milfoil were scattered. A few water starwort plants were observed.

Pioneer Cove: Naiads were patchy and low. Milfoil was scattered. A few narrowleaf and largeleaf pondweed plants were observed. A small amount of filamentous algae was observed.

Pioneer Canal: Naiads, milfoil, and largeleaf pondweed were patchy. Water starwort was scattered. A few bladderwort plants were observed.

The Bowl: Some largeleaf pondweed dropped. Tapegrass was patchy. A few milfoil, curlyleaf pondweed, and water starwort plants were observed.

Racetrack Cove: Naiad patches (mostly low) were observed. Milfoil and largeleaf pondweed were patchy. A few cabomba and bladderwort plants were observed.

A temperature (C) and dissolved oxygen (mg/L) profile was taken due to the decrease in water clarity and it suggested that the lake had turned over. Fish were evenly distributed in the water column. The water was very turbid.

Depth (Feet)	Temperature (C)	Dissolved oxygen (mg/L)
Surface	27.5	5.6
1 foot	27.5	5.4
2 feet	27.5	5.3
3 feet	27.0	5.2

4 feet	27.0	5.2
5 feet	27.0	5.1
6 feet	27.0	5.0
7 feet	27.0	4.7
8 feet	27.0	4.4
9 feet	27.0	4.3
10 feet	26.5	4.0
11 feet	26.5	2.5

Surface dissolved oxygen was similar at other random sample sites.

August 25

Lake survey. Secchi depth (feet): 5.0

Water was turbid and brown. Fish were evenly distributed in the water column.

A temperature (C) and dissolved oxygen (mg/L) profile was measured from the surface to the bottom at 1 foot intervals with a Yellow Springs Meter. Fish were evenly distributed in the water column. The water was very turbid.

Depth (Feet)	Temperature (C)	Dissolved oxygen (mg/L)
Surface	26.5	6.7
1 foot	26.0	6.4
2 feet	26.0	5.9
3 feet	26.0	5.8
4 feet	26.0	5.6
5 feet	26.0	5.3
6 feet	26.0	5.2
7 feet	26.0	4.9
8 feet	25.5	4.5

9 feet	25.5	4.4
10 feet	25.0	3.8
11 feet	25.0	2.1

September 1

Lake survey. Secchi depth (feet): 5.5

Boat Launch Cove: Naiad patches were observed. Largeleaf pondweed and tapegrass were patchy. Milfoil was scattered. A few bladderwort plants were observed.

Beach Cove: Largeleaf pondweed was patchy. Milfoil was scattered. Low Nitella, sp. patches were observed.

Audobon Cove: Largeleaf pondweed and naiad patches were observed. Milfoil and bladderwort were scattered.

Firehouse Cove: Largeleaf pondweed was patchy. Low naiad patches were observed. Narrowleaf pondweed and milfoil were scattered.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed.

Yardville Cove: Largeleaf pondweed and naiad patches were observed. Milfoil was scattered. A few bladderwort and cabomba plants were observed.

Bridge Cove: Naiads were patchy and low. Largeleaf pondweed was scattered. A few cabomba plants were observed.

Glenwood Cove: Largeleaf pondweed and naiad patches were observed. A few bladderwort plants were observed.

West Shore: Largeleaf pondweed patches were observed. Milfoil and naiads were patchy. Tapegrass was scattered.

The Chute: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered.

Dover Cove: Largeleaf pondweed and naiads were patchy. Tapegrass was scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered. A few cabomba plants were observed.

Witte Cove: Largeleaf pondweed was patchy. A few bladderwort plants were observed. Spirogyra, sp. was on the bottom to the south.

Marlboro Cove: Most largeleaf pondweed dropped.

Causeway Cove #1: A few largeleaf pondweed and bladderwort plants were observed.

Causeway Cove #2: Largeleaf pondweed was patchy. A few milfoil and bladderwort plants were observed.

Laurel Cove: Largeleaf pondweed patches were observed. Flatleaf pondweed and milfoil were scattered. A few curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed and naiads were patchy. Tapegrass and milfoil were scattered. A few water starwort plants were observed.

Pioneer Cove: Naiads were patchy. Milfoil was scattered. A few narrowleaf and largeleaf pondweed plants were observed.

Pioneer Canal: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. Water starwort was scattered.

The Bowl: Tapegrass and largeleaf pondweed were patchy. Milfoil was scattered. A few curlyleaf pondweed and water starwort plants were observed.

Racetrack Cove: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. A few cabomba and bladderwort plants were observed.

A temperature (C) and dissolved oxygen (mg/L) profile was measured from the surface to the bottom at 1 foot intervals with a Yellow Springs meter.

Depth (Feet)	Temperature (C)	Dissolved oxygen (mg/L)
Surface	26.0	7.2
1 foot	26.0	6.8
2 feet	26.0	6.4
3 feet	25.5	5.9
4 feet	25.5	5.7
5 feet	25.5	5.4

6 feet	25.5	4.8
7 feet	25.0	4.5
8 feet	25.0	3.6
9 feet	24.5	3.0
10 feet	24.5	1.3
11 feet	24.5	0.4

Fish were observed from 1'-7' below the surface. Water was turbid.

September 14

Lake survey. Secchi depth (feet): 8.0. Temperature (C): 24.5. Dissolved oxygen (mg/L): 8.1

Boat Launch Cove: Naiad patches were observed. Largeleaf pondweed and tapegrass were patchy. Milfoil was scattered. Filamentous algae was observed on the bottom.

Beach Cove: Largeleaf pondweed was patchy. Milfoil was scattered. Low Nitella, sp. patches were observed.

Audobon Cove: Largeleaf pondweed and naiad patches were observed. Milfoil was scattered. A few bladderwort plants were observed. Spirogyra, sp. was observed on the bottom.

Firehouse Cove: Largeleaf pondweed was patchy. Naiad patches were observed. Narrowleaf pondweed and milfoil were scattered.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed. A few bladderwort plants were observed.

Yardville Cove: Largeleaf pondweed and naiad patches were observed. Milfoil was scattered. A few cabomba plants were observed.

Bridge Cove: Naiads were patchy and low. Largeleaf pondweed was scattered. A few cabomba and bladderwort plants were observed.

Glenwood Cove: Largeleaf pondweed and naiad patches were observed. A few bladderwort plants were observed.

West Shore: Largeleaf pondweed patches were observed. Milfoil and naiads were patchy. Tapegrass was scattered.

The Chute: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered.

Dover Cove: Largeleaf pondweed and naiads were patchy. Tapegrass and narrowleaf pondweed were scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Flatleaf pondweed was patchy and low to the south. Milfoil was scattered. A few cabomba plants were observed.

Witte Cove: Largeleaf pondweed was patchy. Filamentous algae was observed on the bottom to the south.

Causeway Cove #1: A few naiads, milfoil, and largeleaf pondweed plants were observed.

Causeway Cove #2: Largeleaf pondweed and low flatleaf pondweed were patchy. Milfoil was scattered.

Laurel Cove: Largeleaf pondweed patches were observed. Flatleaf pondweed, tapegrass, and milfoil were scattered. A few curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed and naiads were patchy. Tapegrass was scattered to patchy. Milfoil was scattered. A few water starwort plants were observed.

Pioneer Cove: Milfoil and naiads were patchy. A few narrowleaf and largeleaf pondweed plants were observed. Some low flatleaf pondweed was observed.

Pioneer Canal: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. Water starwort was scattered. A few bladderwort plants were observed.

The Bowl: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil and curlyleaf pondweed were scattered. A few water starwort plants were observed.

Racetrack Cove: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. A few cabomba plants were observed.

September 29

Lake survey. Secchi depth (feet): 7.5. Temperature (C): 19.0. Dissolved oxygen (mg/L): 8.8

Boat Launch Cove: Naiad patches were observed. Largeleaf pondweed and tapegrass were patchy. Milfoil was scattered.

Beach Cove: Largeleaf pondweed was patchy. Milfoil was scattered. Low Nitella, sp. patches were observed.

Audobon Cove: Largeleaf pondweed and naiad patches were observed. Milfoil was scattered.

Firehouse Cove: Largeleaf pondweed was patchy. Naiad patches were observed. Narrowleaf pondweed and milfoil were scattered.

Behind Islands: Largeleaf pondweed was patchy. Low naiad patches were observed. Bladderwort was scattered.

Yardville Cove: Largeleaf pondweed and naiad patches were observed. Milfoil and cabomba were scattered.

Bridge Cove: Naiads were patchy and low. Largeleaf pondweed and bladderwort were scattered. A few cabomba plants were observed.

Glenwood Cove: Largeleaf pondweed and naiad patches were observed. A few bladderwort plants were observed.

West Shore: Largeleaf pondweed patches were observed. Milfoil and naiads were patchy. Tapegrass was scattered.

The Chute: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil was scattered.

Dover Cove: Largeleaf pondweed and naiads were patchy. Tapegrass and narrowleaf pondweed were scattered.

Deli Cove: Largeleaf pondweed patches were observed. Tapegrass and flatleaf pondweed were patchy. Milfoil was scattered. A few cabomba plants were observed.

Witte Cove: Largeleaf pondweed was patchy. A few bladderwort plants were observed.

Causeway Cove #1: A few naiads, milfoil, and largeleaf pondweed plants were observed.

Causeway Cove #2: Largeleaf and flatleaf pondweed were patchy. Milfoil was scattered.

Laurel Cove: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil and flatleaf pondweed were scattered. A few curlyleaf pondweed plants were observed.

Laramie Cove: Largeleaf pondweed, naiads, and tapegrass were patchy. Milfoil was scattered. A few water starwort plants were observed.

Pioneer Cove: Milfoil and naiads were patchy. A few largeleaf and flatleaf pondweed plants were observed.

Pioneer Canal: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. Water starwort and bladderwort were scattered.

The Bowl: Largeleaf pondweed patches were observed. Tapegrass was patchy. Milfoil and curlyleaf pondweed were scattered.

Racetrack Cove: Naiad patches were observed. Milfoil and largeleaf pondweed were patchy. A few cabomba and bladderwort plants were observed.

The mean secchi depth from mid April to the end of September, 2016 was 8.15 feet.



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RECORD OF MANAGEMENT SERVICE AT MOUNT LAUREL LAKE - 2016

June 1

Lake survey. Secchi depth: 6.5 feet. Temperature: 24.5 (C). Dissolved oxygen: 9.8 mg/L. pH: 6.0. Hardness: 85 ppm.

Milfoil was scattered and at the surface. Some scattered cabomba and curlyleaf pondweed plants were also observed. A few bladderwort and some patchy largeleaf pondweed were growing in the east lake. Patches of horned pondweed and narrowleaf pondweed were found below the other plants. A small amount of filamentous algae was present.

Treated the lake (Clipper/copper sulfate) to control the growth of milfoil, cabomba, curlyleaf pondweed, bladderwort, and filamentous algae. Treatment area (Clipper): 13.6 acres; (copper sulfate): 6.8 acres.

June 16

Lake survey. Secchi depth: 6.0 feet.

Most milfoil, cabomba, and bladderwort had dropped as a result of treatment. Patchy largeleaf pondweed was growing in the east lake and some plants were at the surface. Horned pondweed patches had increased and many plants were near or at the surface. Narrowleaf pondweed was growing among the horned pondweed patches. Many submerged and floating plants in the canal had dropped.

AAI recommends treatment with Aquathol-K to control the growth of pondweeds.

June 22

Secchi depth: 6.0 feet. Temperature: 25.0 (C). Dissolved oxygen: 9.4 mg/L. pH: 6.0.

Treated the lake (Aquathol-K/Cutrine-Plus) to control the growth of horned pondweed, largeleaf pondweed, narrowleaf pondweed, and filamentous algae. Treatment area: 10.0 acres.

June 30

Lake survey. Secchi depth: 5.5 feet.

Most horned pondweed plants were brown and some had dropped. Largeleaf pondweed and narrowleaf pondweed had many brown leaves. A few new milfoil and cabomba plants had emerged from the hydrosol. Water was very turbid.

July 20

Lake survey. Secchi depth: 6.0 feet.

Most horned pondweed, largeleaf pondweed, and narrowleaf pondweed had dropped. Scattered, low milfoil and cabomba were present. Water clarity was good but somewhat turbid.

August 4

Lake survey. Secchi depth: 6.0 feet.

Some scattered milfoil and cabomba was observed but was mostly low growing. A few largeleaf pondweed plants remained. Water was turbid but clarity was good.

August 18

Lake survey. Secchi depth: 5.0 feet. Temperature: 28.0 (C). Dissolved oxygen: 8.4 mg/L.

Milfoil and cabomba were scattered and mostly low. A few largeleaf pondweed and bladderwort plants were observed. Some patchy water lilies were growing in open water.

September 1

Lake survey. Secchi depth: 6.0 feet.

Some new growth of cabomba was observed near Warwick Turnpike. Milfoil and cabomba were scattered in other areas. A few largeleaf pondweed plants were also present. Water lilies were patchy and had not increased.

September 14

Lake survey. Secchi depth: 5.5 feet.

There were some scattered milfoil and cabomba plants. Some largeleaf pondweed and a few bladderwort plants were observed. Water was turbid but clarity was good.

September 28

Lake survey. Secchi depth: 5.0 feet

Milfoil was scattered throughout and scattered cabomba was growing along the Warwick Turnpike shoreline. Largeleaf pondweed was scattered in the canal and a few plants were found in the main lake. Some patchy water lilies were growing in the main lake with larger patches in the canal. Water was very turbid.

The mean secchi depth from June to mid September, 2016 was 5.75 feet.