

# Aquatic Engineering, Inc.

*Advancing the Science of Assessment, Management and Rehabilitation of our Aquatic Resources!*

## *2001 Montello Lake Individual Aquatic Plant Management Report*

**Prepared for:**

*Wisconsin Department of Natural Resources  
Scott Provost  
427 East Tower Drive  
Suite 100  
Wautoma, WI 54982-6927*

*May 16, 2002*

**Prepared by:**

**Aquatic Engineering**  
Post Office Box 3634  
La Crosse, WI 54602-3634  
Phone: 608-781-8770  
Fax: 608-781-8771  
E-mail: [info@aquaticengineering.org](mailto:info@aquaticengineering.org)  
Web Site: [www.aquaticengineering.org](http://www.aquaticengineering.org)





Customer Name: Demme, Vincent R

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●
Bristly sedge	○	○	○	○
Broad-leaved cattail	○	○	○	○
Brown-fruited rush	○	○	○	○
Common arrowhead	○	○	○	○
Common bur-reed	○	○	○	○
Creeping spikerush	○	○	○	○
Flowering rush	○	○	○	○
Giant reed	○	○	○	○
Grass-leaved arrowhead	○	○	○	○
Hardstem bulrush	○	○	○	○
Marsh cinquefoil	○	○	○	○
Narrow-leaved cattail	○	○	○	○
Needle spikerush	○	○	○	○
Northern blue flag	○	○	○	○
Northern manna grass	○	○	○	○
Pickerelweed	○	○	○	○
Purple loosestrife	○	○	○	○
Reed canary grass	○	○	○	○
Rice cut-grass	○	○	○	○
River bulrush	○	○	○	○
Robbins spikerush	○	○	○	○
Sedges	○	○	○	○
Soft rush	○	○	○	○
Softstem bulrush	○	○	○	○
Swamp Loosestrife	○	○	○	○
Sweetflag	○	○	○	○
Three-square	○	○	○	○
Three-way sedge	○	○	○	○
Water cress	○	○	○	○
Water hemlock	○	○	○	○
Water horsetail	○	○	○	○
Water plantains	○	○	○	○
Wild calla	○	○	○	○
Wild rice	○	○	○	○
	P1	P2	P3	P4

Free-Floating Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●
Common watermeal	○	○	○	○
Forked duckweed	○	○	○	○
Great duckweed	○	○	○	○
Slender riccia	○	○	○	○
Small duckweed	○	○	○	○
Floating-leaf Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●
American lotus	○	○	○	○
Spatterdock	○	○	○	○
Water smartweed	○	○	○	○
Watershield	○	○	○	○
White water lily	○	○	○	○
Yellow pond lily	○	○	○	○
Algae	P1	P2	P3	P4
<b>Plantonic</b>	●	●	●	●
Anabaena	○	○	○	○
Chlorella	○	○	○	○
Oocystis	○	○	○	○
Pediastrum	○	○	○	○
Scenedesmus	○	○	○	○
<b>Filamentous</b>	●	●	●	●
Cladophora	○	○	○	○
Hydrodictyon	○	○	○	○
Mougeotia	○	○	○	○
Rhizoclonium	○	○	○	○
Spirogyra	○	○	○	○
Zygnema	○	○	○	○

Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	○	○	○	○
Algal-leaved pondweed	○	○	○	○
Clasping-leaf pondweed	○	○	○	○
Common bladderwort	○	○	○	○
Common waterweed	○	○	○	○
Coontail	●	●	●	●
Creeping bladderwort	○	○	○	○
Creeping spearwort	○	○	○	○
Curly-leaf pondweed	●	●	●	●
Ditch-grass	○	○	○	○
Dwarf water milfoil	○	○	○	○
Eurasian water milfoil	●	●	●	●
Farwell's water milfoil	○	○	○	○
Fern pondweed	○	○	○	○
Flat-stem pondweed	○	○	○	○
Floating-leaf pondweed	○	○	○	○
Golden pert	○	○	○	○
Horned pondweed	○	○	○	○
Illinois pondweed	○	○	○	○
Lake cress	○	○	○	○
Large purple bladderwort	○	○	○	○
Large-leaf pondweed	○	○	○	○
Leafy pondweed	○	○	○	○
Long-leaf pondweed	○	○	○	○
Muskgrasses	○	○	○	○
Nitellas	○	○	○	○
Northern water milfoil	○	○	○	○
Pipewort	○	○	○	○
Plantain shoreweed	○	○	○	○
Pondweeds	○	○	○	○
Quillworts	○	○	○	○
Ribbon-leaf pondweed	○	○	○	○
Sago pondweed	○	○	○	○
Slender naiad	○	○	○	○
Small pondweed	○	○	○	○
Small purple bladderwort	○	○	○	○
Spiral-fruited pondweed	○	○	○	○
Stiff water crowfoot	○	○	○	○
Variable pondweed	○	○	○	○
Various water milfoil	○	○	○	○
Water bulrush	○	○	○	○
Water lobelia	○	○	○	○
Water marigold	○	○	○	○
Water stargrass	○	○	○	○
Water starworts	○	○	○	○
Water-thread pondweed	○	○	○	○
Waterwort	○	○	○	○
White-stem pondweed	○	○	○	○
Wild celery	●	●	●	●
	P1	P2	P3	P4

**APM Density "Legend"**

- Rare (<3%) ●
- Sparse (3 – 20%) ●
- Common (20-60%) ●
- Dense (>60%) ●

P1 = Phase One  
P2 = Phase Two  
P3 = Phase Three  
P4 = Phase Four

**Management Notes:**

During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community please contact our office

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.171A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.171A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.171A / .057A
5						
6						



Customer Name: *Faltz, William*

Lake Name: *Montello Lake*

Emergent Plants					Free-Floating Plants					Submerged Plants				
	P1	P2	P3	P4		P1	P2	P3	P4		P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern nanna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Platonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparce (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**

During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community please contact our office

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: *Kmiec, Glen M*

Lake Name: *Montello Lake*

Emergent Plants					Free-Floating Plants					Submerged Plants				
	P1	P2	P3	P4		P1	P2	P3	P4		P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparce (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

Management Notes:

During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: *Kuczek, Robert V*

Lake Name: *Montello Lake*

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<i>Average Density</i>	●	●	●	●	<i>Average Density</i>	●	●	●	●	<i>Average Density</i>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<i>Average Density</i>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<i>Plantonic</i>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<i>Filamentous</i>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparce (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

Management Notes:  
 During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: McDonald, Tim

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern nanna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Planktonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scededesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparce (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**  
 During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: Menzel, Ricky A & Barbara A

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparse (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**  
 During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.342A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.342A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.342A / .171A
5						
6						



Customer Name: Pedersen, Kenneth I

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

- Rare (<3%) ●
- Sparce (3 – 20%) ●
- Common (20-60%) ●
- Dense (>60%) ●

P1 = Phase One  
P2 = Phase Two  
P3 = Phase Three  
P4 = Phase Four

**Management Notes:**  
During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: Ruhland, Alan L & Kerri

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern nanna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparse (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**  
 During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community, please contact our office.

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.114A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.114A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	..114A / .114A
5						
6						



Customer Name: Theroux, Larry & Lynn

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparse (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**

During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community please contact our office

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: Weckwerth, Duane C & Alice M

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocystis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

Rare (<3%) ●

Sparse (3 – 20%) ●

Common (20-60%) ●

Dense (>60%) ●

P1 = Phase One

P2 = Phase Two

P3 = Phase Three

P4 = Phase Four

**Management Notes:**  
 During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community please contact our office

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						



Customer Name: Yurs, Ted W & Helen M

Lake Name: Montello Lake

Emergent Plants	P1	P2	P3	P4	Free-Floating Plants	P1	P2	P3	P4	Submerged Plants	P1	P2	P3	P4
<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	●	●	●	●	<b>Average Density</b>	○	○	○	○
Bristly sedge	○	○	○	○	Common watermeal	○	○	○	○	Algal-leaved pondweed	○	○	○	○
Broad-leaved cattail	○	○	○	○	Forked duckweed	○	○	○	○	Clasping-leaf pondweed	○	○	○	○
Brown-fruited rush	○	○	○	○	Great duckweed	○	○	○	○	Common bladderwort	○	○	○	○
Common arrowhead	○	○	○	○	Slender riccia	○	○	○	○	Common waterweed	○	○	○	○
Common bur-reed	○	○	○	○	Small duckweed	○	○	○	○	Coontail	●	●	●	●
Creeping spikerush	○	○	○	○						Creeping bladderwort	○	○	○	○
Flowering rush	○	○	○	○	<b>Floating-leaf Plants</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Creeping spearwort	○	○	○	○
Giant reed	○	○	○	○	<b>Average Density</b>	●	●	●	●	Curly-leaf pondweed	●	●	●	●
Grass-leaved arrowhead	○	○	○	○	American lotus	○	○	○	○	Ditch-grass	○	○	○	○
Hardstem bulrush	○	○	○	○	Spatterdock	○	○	○	○	Dwarf water milfoil	○	○	○	○
Marsh cinquefoil	○	○	○	○	Water smartweed	○	○	○	○	Eurasian water milfoil	●	●	●	●
Narrow-leaved cattail	○	○	○	○	Watershield	○	○	○	○	Farwell's water milfoil	○	○	○	○
Needle spikerush	○	○	○	○	White water lily	○	○	○	○	Fern pondweed	○	○	○	○
Northern blue flag	○	○	○	○	Yellow pond lily	○	○	○	○	Flat-stem pondweed	○	○	○	○
Northern manna grass	○	○	○	○						Floating-leaf pondweed	○	○	○	○
Pickerelweed	○	○	○	○	<b>Algae</b>	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>	Golden pert	○	○	○	○
Purple loosestrife	○	○	○	○	<b>Plantonic</b>	●	●	●	●	Horned pondweed	○	○	○	○
Reed canary grass	○	○	○	○	Anabaena	○	○	○	○	Illinois pondweed	○	○	○	○
Rice cut-grass	○	○	○	○	Chlorella	○	○	○	○	Lake cress	○	○	○	○
River bulrush	○	○	○	○	Oocycetis	○	○	○	○	Large purple bladderwort	○	○	○	○
Robbins spikerush	○	○	○	○	Pediastrum	○	○	○	○	Large-leaf pondweed	○	○	○	○
Sedges	○	○	○	○	Scenedesmus	○	○	○	○	Leafy pondweed	○	○	○	○
Soft rush	○	○	○	○	<b>Filamentous</b>	●	●	●	●	Long-leaf pondweed	○	○	○	○
Softstem bulrush	○	○	○	○	Cladophora	○	○	○	○	Muskgrasses	○	○	○	○
Swamp Loosestrife	○	○	○	○	Hydrodictyon	○	○	○	○	Nitellas	○	○	○	○
Sweetflag	○	○	○	○	Mougeotia	○	○	○	○	Northern water milfoil	○	○	○	○
Three-square	○	○	○	○	Rhizoclonium	○	○	○	○	Pipewort	○	○	○	○
Three-way sedge	○	○	○	○	Spirogyra	○	○	○	○	Plantain shoreweed	○	○	○	○
Water cress	○	○	○	○	Zygnema	○	○	○	○	Pondweeds	○	○	○	○
Water hemlock	○	○	○	○						Quillworts	○	○	○	○
Water horsetail	○	○	○	○						Ribbon-leaf pondweed	○	○	○	○
Water plantains	○	○	○	○						Sago pondweed	○	○	○	○
Wild calla	○	○	○	○						Slender naiad	○	○	○	○
Wild rice	○	○	○	○						Small pondweed	○	○	○	○
	<b>P1</b>	<b>P2</b>	<b>P3</b>	<b>P4</b>						Small purple bladderwort	○	○	○	○

**APM Density "Legend"**

- Rare (<3%) ●
- Sparse (3 – 20%) ●
- Common (20-60%) ●
- Dense (>60%) ●

P1 = Phase One  
P2 = Phase Two  
P3 = Phase Three  
P4 = Phase Four

**Management Notes:**  
During Phase Three and Four it was noticed that the entire lake was experiencing nuisance levels in the predominantly wind blown shoreline areas, of "Coontail" plants along with "Duckweed" and other free floating species of vegetation. The answer to this problem is simple, more involvement in a structured APM program, by your neighbors. Their involvement and the Homeowners Association involvement are essential to the success of the program for you and every patron who utilizes this resource. The more we do the better it will be for everyone! This "pea soup" occurrence is something that can be managed by a group effort within the watershed and lake community. A watershed investigation should be taken up if has not been done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation management should be kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by the high value aquatic plants within the lake. If you would like more information on how we could assist the entire lake community please contact our office

#	Name	EPA Reg. No.	Applied Rate	Phase	Quantity	Area
1	Reward	10182-355	One gal / acre	2 / 3	1G	.057A / 0A
2	Aquathol K	4581-204	One gal / acre	2 / 3	1G	.057A / 0A
3	Nautique	67690-10	One gal / acre	2 / 3	1G / 2G	.057A / .057A
5						
6						