# 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 Web Site: www.aquaticengineering.org

		-

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Customer

Vincent R Demme Mailing Address: 1960 Burton Lane Park Ridge, IL 60068 City / State / Postal Code: 6082977059

164 Carriage Road

Montello, WI, 53949

43.80694963 Degrees

-89.34387235 Degrees

Phone:

Alternate Phone: Email:

Latitude:

Property Address: City / State/ Postal Code:

Longitude: Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address:

City / State / Postal Code:

Lake Information

Lake: Montello Lake County: Marquette County State/Prov: Wisconsin Country: USA

Section: Township: 15N Range: 9, 10

Latitude: 43.80194 Degrees -89.34139 Degrees Longitude: Elevation: 783 feet

Drainage Lake Type:

Water Depth (Average/Max): 17 feet Maximum Secchi Disk: P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M)

Regulatory Official: Scott Provost Phone Number: (920) 787-4686

Permit Number: 25-01 Vehicle Information

Type: Airboat **AHAS** Description:

**Application Method:** Subsurface Injection XR TeeJet SS **Nozzle Information:** 

Site Conditions

**Recreational Determination:** Excellent O Good O Poor **Sediment Composition:** 

Water Depth (Average): 3 Foot Average

Alkalinity: N.A Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: End: June 05, 2001

Phase Two

Start: June 05, 2001 June 13, 2001

End: **Phase Three** 

Start:

June 13, 2001 August 06, 2001

**Phase Four** 

August 06, 2001 Start: End: December 31, 2001

Lake Map and Site Location Client Number:

(286 Acres)

Management Suggestions: Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



APM Density "Legend" Rare (<3%) Sparce (3 - 20%)Common (20-60%) Dense (>60%)

Project Manager: Name: Joshua Britton

Signature:

License Number: 060133 Date: January 17, 2002

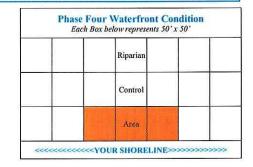
Phase One Waterfront Condition

Each Box below represents 50' x 50'

Riparian

Control

<<<<<<<YOUR SHORELINE>>>>>>>>>





©Copyright 2001 Aquatic Engineering, Inc.

	Name: Demme, Vincent R Lake Name: Montello Lake																
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2	Aqı	uatho	ol K		4	4581-204 One gal / acre 2 / 3				2/3		1G					
3	Na	autiq	ue		(						2/3	1G/2G .171A/.057A					
5													-				

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

#### Customer

William Faltz Name: 305 W Main Street Mailing Address: City / State / Postal Code: Mt. Horeb, WI 53572 6082978051 Phone:

**Alternate Phone:** 

Email:

nutmeg@maqs.net **Property Address:** 128 Carriage Road City / State/ Postal Code: Montello, WI, 53949 43.80556719 Degrees Latitude: -89.34521736 Degrees Longitude: Left Neighbor Name:

Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

#### Lake Information

Lake: Montello Lake County: Marquette County State/Prov: Wisconsin USA

Country: Section: Township: 15N Range: 9, 10

Latitude: 43.80194 Degrees Longitude: -89.34139 Degrees 783 feet Elevation: Drainage Lake Type:

Water Depth (Average/Max):

Secchi Disk:

Regulatory Official:

Phone Number: Permit Number:

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M)

17 feet Maximum

Scott Provost

25-01

(920) 787-4686

Vehicle Information

Type: Airboat Description: AHAS

Subsurface Injection Application Method: Nozzle Information: XR TeeJet SS

Site Conditions

**Recreational Determination:** Excellent O Good O Poor Sediment Composition:

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Alkalinity: N.A Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A Water DO: N.A N.A°C Water Temperature:

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Phase Four

August 06, 2001 Start: End: December 31, 2001

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Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.

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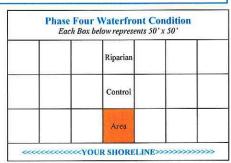
Name: Joshua Britton

Signature:

Joshun Butter

Phase One Waterfront Condition Each Box below represents 50' x 50' Ripariar Control <>>>>>>>>>>>>>>>

License Number: 060133





Customer N		ce.				Lake Name: Montello Lake											
Emergent I Average De Bristly sedg Broad-leave Brown-fruit Common bu	nsity e d cattail ed rush rowhead r-reed	₽ 000000000		000000	000000	Free-Floating Average Dens Common water Forked duckwe Great duckwe Slender riccia Small duckwe	sity ermeal veed eed	P1 00000	P2 00000	P3 	00000	Ave Alg Clas Cor Cor Cor	omerged Plants erage Density cal-leaved pondw sping-leaf pondw mmon baldderwo mmon waterweed ontail	veed Cort C	000000	000000	P4 0000000
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#		Vamo			_	**					Phase				Area		
1	R	ewar	rd			10182-355 One gal / acre 2 / 3					2/3		1G		57A/		
2	Aqı	atho	ol K		4	4581-204 One gal / acre 2 / 3 1G						1G	.057A / 0A				
3	Na	autiq	ue		(	67690-10 One gal / acre 2							1G / 2G	.057A / .057A			

	1,000		A A	220 0120 020	•	0.000000
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						

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Customer

Glen M Kmiec Name: Mailing Address: 136 Carriage Road City / State / Postal Code: Montello, WI 53949 6082979637 Phone:

136 Carriage Road

Montello, WI, 53949

43.80583539 Degrees

-89.34517782 Degrees

**Alternate Phone:** Email:

Longitude:

Property Address: City / State/ Postal Code: Latitude:

Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

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Regulatory Official: Scott Provost **Phone Number:** (920) 787-4686

**Permit Number:** 25-01 Vehicle Information

Type: Airboat Description: AHAS

**Application Method:** Subsurface Injection **Nozzle Information:** XR TeeJet SS

Site Conditions

Excellent O Good O Poor Recreational Determination: Sediment Composition: Water Depth (Average): 3 Foot Average Alkalinity: N.A

Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

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Start: May 30, 2001 End: June 05, 2001

Phase Two

Start: June 05, 2001 End: June 13, 2001

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**Phase Four** 

August 06, 2001 Start: End: December 31, 2001

Lake Map and Site Location Client Number:



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Project Manager: Name: Joshua Britton

Signature:

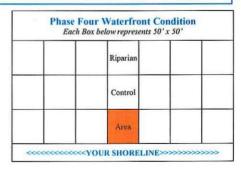
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License Number: 060133

Date: January 17, 2002





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Customer N		iec, C	ilen .	M		Lake Name: Montello Lake											
Emergent I Average De Bristly sedg	nsity	PI	P2 O	P3	P4 O	Average Dense Common water	sity	P1 O	P2	P3 O	P4 O	Ave	omerged Plants erage Density al-leaved pondy	0	0	P3 ()	P4 ()
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											2/3						

	AE.	INC.
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Customer

Name: Robert V Kuczek 4847 Lindbloom Lane Mailing Address: City / State / Postal Code: Cherry Valley, IL 61016

8153325233

176 Carriage Road

Montello, WI, 53949

43.80740877 Degrees

-89.34413127 Degrees

Phone: **Alternate Phone:** 

Email:

**Property Address:** City / State/ Postal Code: Latitude: Longitude:

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Permit Number:

Vehicle Information

Airboat Type: Description: AHAS

**Application Method:** Subsurface Injection Nozzle Information: XR TeeJet SS

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Recreational Determination:

**Sediment Composition:** Water Depth (Average): 3 Foot Average

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Conductivity: Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: NA Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

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Phase Two

June 05, 2001 Start: June 13, 2001 End:

**Phase Three** 

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Start: August 06, 2001 End: December 31, 2001

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(286 Acres)

Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.

APM Density "Legend"

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

Project Manager: Name: Joshua Britton

Signature:

Joshun Butter

License Number: 060133

Date: January 17, 2002

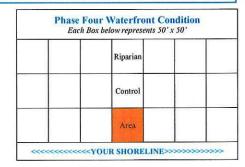
**Phase One Waterfront Condition** 

Each Box below represents 50' x 50

Riparia

Control

<>>>>>>>>>>>>>





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Customer N																	
Emergent P		P1		P3	P4	4 Free-Floating Plants P1 P2 P3							omerged Plants				P4
Average Der		0	0		0								erage Density				Õ
Bristly sedge Broad-leave		0	0	0	0								gal-leaved pondy				0
Brown-fruite		$\approx$	$\approx$	$\approx$	00	Great duckwe			X	$\approx$	0		sping-leaf pondy mmon baldderwo	-			0
Common arr		000000	000	$\approx$	ŏ	Slender riccia		00	000	000	00		mmon waterwee	_		00	Ö
Common bu		$\sim$	$\sim$	$\approx$	ŏ	Small duckwe		ŏ	X	$\approx$	ŏ		ontail	1			0
Creeping spi		ŏ	00	ŏ	ŏ	Sman duckwe	Jou	$\circ$	0	$\circ$	0		eping bladderwo	ort C	Ó	ŏ	ŏ
Flowering ru		ŏ	ŏ	ŏ	ŏ	Floating-leaf	Plants	P1	P2	P3	P4		eping spearwort	~ ~	ő	000	ŏ
Giant reed		ŏ	ŏ	ŏ	ŏ	Average Dens		0	0	0			ly-leaf pondwee	d Č	ŏ	ŏ	ŏ
Grass-leaved	arrowhead		Ŏ	ŏ	ŏ	American lott		ŏ					ch-grass	Č	Ö	Õ	ŏ
Hardstem bu	ılrush	0	0000000000000	000000000000000000000000000000000000000	0	Spatterdock		Ŏ	Ŏ	8	00		arf water milfoil	ort C	00	000	000000000000000000000000000000000000000
Marsh cinqu		00	0	0	0	Water smartweed OOOO						Eur	asian water milf	oil 🧶			0
Narrow-leav		0	0	0	0	Watershield OOO							well's water milf	oil C	0	0	0
Needle spike		O	0	Ō	Ō	White water lily OOOO Yellow pond lily OOOO							n pondweed	C	0	000000000000000000000000000000000000000	0
Northern blu		Õ	Õ	Ō	0	Yellow pond lily							t-stem pondweed			0	0
Northern ma		0000000000	Ö	Ö	Ŏ								ating-leaf pondw			Õ	Õ
Pickerelweed		Ö	Ö	Ö	Ò	Algae P1 P2 P3 P4							den pert	Č	00000000000	Ö	Ŏ
Purple loose		8	$\odot$	$\odot$	0	Plantonic							ned pondweed	C	O	Ö	Ö
Reed canary		$\approx$	8	$\lesssim$	0	Anabaena		0	8	0	0		nois pondweed	Č	20	$\circ$	$\otimes$
Rice cut-gras River bulrus		$\approx$	$\approx$	$\approx$	00	Chlorella Oocyctis		0	$\approx$	0	0		e cress	C	, 8	$\sim$	$\approx$
Robbins spik		$\approx$	$\approx$	$\approx$	8	Pediastrur	n	00	00000	00	00	Lar	ge purple bladder ge-leaf pondwee	d C	1 8	$\approx$	X
Sedges	Clusii	$\approx$	$\approx$	$\approx$	ŏ	Scededesn		8	$\approx$	8	ŏ		fy pondweed	٠ \	3	$\approx$	$\approx$
Soft rush		ŏ	0000	$\tilde{\mathcal{C}}$	ŏ	Filamentou		ŏ	ŏ	ŏ	ŏ		g-leaf pondweed	1 6	S	ŏ	$\tilde{\mathcal{C}}$
Softstem bul	rush	ŏ	ŏ	ŏ	ŏ	Cladophor		Õ		Õ	ŏ		skgrasses	1 00	õ	ŏ	ŏ
Swamp Loos		00000000	000000000	ŏ	ŏ	Hydrodict		00	0000	000000	ŏ		ellas	C	ŏ	ŏ	ŏ
Sweetflag		Ŏ	Ŏ	Ŏ	Ŏ	Mougeotia		Ŏ	Ŏ	ŏ	Ŏ	Nor	thern water milf		Ŏ	Ŏ	Ŏ
Three-square	9	O	Ŏ	Ŏ	Ŏ	Rhizoclon		0	Ŏ	Ŏ	Ŏ	Pipe	ewort	Č	Ö	Ŏ	Ŏ
Three-way se	edge	0	0	0	0	Spirogyra		00	00	0	0	Plar	ntain shoreweed	000	0	0	0
Water cress		0	0	0	Ŏ	Zygnema		0	0	0	0		dweeds	C	0	0	0
Water hemlo		Ŏ	Ō	Õ	Q				7				llworts	ed O	Ó	Ō	Ō
Water horset		Ö	O	Ö	Õ		ity "Legend	"					bon-leaf pondwe	ed O	Ó	Ŏ	Ŏ
Water planta	ins	Ŏ	Ö	Ö	Q	Rare (<3		0					o pondweed	Q	000	Ö	O
Wild calla		0	0	Õ	0		3 – 20%) 1 (20-60%)						nder naiad	0	0	Ö	$\otimes$
Wild rice		O P1	O P2	O P3	O P4	Dense (>							all pondweed	0	0	$\sim$	$\lesssim$
		PI	PZ	P3	P4	P1 = Pha							all purple bladder al-fruited pondy			8	$\approx$
						P2 = Pha							f water crowfoot	=	0	$\approx$	8
						P3 = Pha							iable pondweed	$\sim$	ŏ	$\approx$	ŏ
						P4 = Pha							ious water milfo	il Ö		ŏ	ŏ
													ter bulrush	ŏ	ŏ		ŏ
Management N		Four it was noticed that the entire lake was experiencing nuisance levels in the vn shoreline areas, of "Coontail" plants along with "Duckweed" and other free ation. The answer to this problem is simple, more involvement in a structured APM ors. Their involvement and the Homeowners Association involvement are essential  Various water milfoil  Water bulrush  Water lobelia  Water marigold  Water stargrass  Water stargrass  Water starworts								0000000							
						re lake was expend l" plants along wit						Wat	ter marigold	Ŏ	Ŏ	Ŏ	Ŏ
						m is simple, more						Wat	ter stargrass	Ŏ	O	0	O
						Homeowners Ass							ter starworts	0	0	0	0
						who utilizes this res comething that can l							ter-thread pondw	reed O	Ō	0	O
						investigation shou						Wat	terwort	0	0		Ŏ
done already to	assist in redu	cing t	he nut	trient i	influx into	the lake. Aquatic	vegetation r	nanag	gemen	t shou			te-stem pondwee	d O	Q	0	Q
						due to the uptake of formation on how						Wil	d celery	O	Da	P3	P4
community nle					.c more m		o could ass	.o. ul	- Onti	Jake				P1	P2	13	14
#	ı	Nam	e		EP	A Reg. No.	Applied	l Ra	te		Phase	se Quantity			Area	t	
1	R	Lewa	rd		1	9					2/3		1G	.0.	57A/	0A	
2	Aqı	uatho	ol K			4581-204 One gal / acre 2 / 3							1G	.057A / 0A			
3	N	autiq	ue			67690-10 One gal / acre 2							1G / 2G	.057A / .057A			

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						

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771. Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Name: Tim McDonald Mailing Address: 4390 Vilas Road City / State / Postal Code: Cottage Grove, WI 53527

timmcdee@aol.com

Lot 10 Carriage Road

Montello, WI, 53949

43.80597362 Degrees

-89.34509576 Degrees

Montello Lake

Wisconsin

USA

15N

9, 10

783 feet

25-01

Marquette County

43.80194 Degrees

-89.34139 Degrees

Drainage Lake

Scott Provost

(920) 787-4686

17 feet Maximum

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M)

Phone: 6088393442

Alternate Phone:

Email: Property Address:

City / State/ Postal Code: Latitude: Longitude:

Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address:

City / State / Postal Code:

Lake Information

Lake: County:

State/Prov: Country: Section:

Township: Range:

Latitude: Longitude: Elevation:

Type: Water Depth (Average/Max):

Secchi Disk: Regulatory Official:

Phone Number: **Permit Number:** 

Lake Map and Site Location Client Number: (286 Acres)

APM Density "Legend" Rare (<3%) Sparce (3-20%)Common (20-60%) Dense (>60%)

Project Manager: Name: Joshua Britton

Signature:

Joshua Britter

Vehicle Information

Type: Airboat Description: AHAS

Subsurface Injection Application Method: **Nozzle Information:** XR TeeJet SS

Site Conditions

Recreational Determination: **Sediment Composition:** 

Water Depth (Average): Alkalinity: Chlorophyll:

Conductivity: Fecal Bacteria: Swimmer's Itch: Total N: Total P: Water PH:

Water DO: Water Temperature:

Phase Timeline:

Phase One

Start: End:

Phase Two Start:

End: **Phase Three** 

> Start: End:

> > Start: End:

May 30, 2001

3 Foot Average

N.A

N.A

N.A

N.A

N.A

N.A

N.A

N.A

N.A

N.A°C

Excellent O Good O Poor

June 05, 2001

June 05, 2001 June 13, 2001

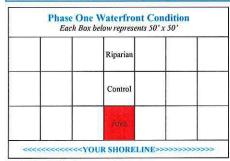
June 13, 2001

August 06, 2001

August 06, 2001 December 31, 2001

Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



License Number: 060133





Customer N		onal	d, Ti	m	Lake Name: Montello Lake												
Emergent P Average Der Bristly sedge Broad-leavee Brown-fruite Common arr	asity ed cattail ed rush owhead	000000000	0		P4 0 0 0 0	Free-Floating Average Dens Common wate Forked duckwe Great duckwe Slender riccia	sity ermeal veed eed	0000	00000	0000	P4 00000	Ave Alg Clas Con Con	omerged Plants erage Density al-leaved pondwa sping-leaf pondwanmon baldderwoon mmon waterweed	reed()	000	00000	P4 00000
Common but Creeping spi Flowering ru Giant reed Grass-leaved Hardstem bu Marsh cinqu	kerush ish I arrowhead Irush	00	0000000000	000000	000000	Floating-leaf Average Dens American lotu Spatterdock Water smartw	Plants sity	O PI 0000	0	O P3 0 0 0 0	O P4 O O O O	Cree Cur Dito	ontail eping bladderwore eping spearwort ly-leaf pondweed ch-grass arf water milfoil asian water milfo	0000	000000	000000	000000
Narrow-leav Needle spike Northern blu Northern ma Pickerelweed	ed cattail crush	000000	00000	00000	00000	Watershield White water li Yellow pond l	ily	000 P1	000 P2	000	0 0 0	Fart Ferr Flat Floa	well's water milfo n pondweed -stem pondweed ating-leaf pondwe den pert	oil O	00000	00000	00000
Purple looses Reed canary Rice cut-gras River bulrusl Robbins spik Sedges Soft rush		0000000000	00000000	0000000	0000000	Anabaena O O O Illinois pondworth Chlorella O O O Lake cress Oocyctis O O O Large purple bl Pediastrum O O O Large-leaf pondworth Chlorella O O O Leafy pondworth Chlorella D O O O Leafy pondworth Chlorella D O O O Chlorella D O O O Chlorella D O O O O Chlorella D O O O O O O O O O O O O O O O O O O						ned pondweed tois pondweed e cress ge purple bladderv ge-leaf pondweed fy pondweed g-leaf pondweed	000000 vort000	000	000000000000000	000000000000000000000000000000000000000	
Softstem bul Swamp Loos Sweetflag Three-square Three-way so Water cress Water hemlo	rush sestrife edge	0000	00000000	0000000	0000000	Hydrodictyon O O O Nit Mougeotia O O O Pip Rhizoclonium O O O Pip Spirogyra O O O Pop Zygnema O O O O Qu						Nite Nor Pipe Plan Pone Quil	ellas thern water milfo ewort itain shoreweed dweeds llworts	o00000	0000	0000000	0000000
Water horset Water planta Wild calla Wild rice	ins	0			O O O P4	APM Density "Legend" Rare (<3%)  Sparce (3 – 20%)  Common (20-60%)  Dense (>60%)  P1 = Phase One P2 = Phase Two P3 = Phase Three					Sago Slen Sma Sma Spir Stiff	con-leaf pondwed o pondweed ider naiad ill pondweed ill purple bladderval-fruited pondw f water crowfoot iable pondweed	ort O	00000000		00000000	
predominantly of floating species program, by you to the success of it will be for even within the water done already to kept to the bare	hree and Four wind blown she of vegetation. ur neighbors. 'f the program 'eryone! This' rshed and lake assist in reduc necessity of the vithin the lake.	Their Their for you 'pea so common the nuive ing the nuive	answe involved and and and and and and and and and an	s, of 'er to the every occurred. A wient in	P4 = Phase Four  Various water milfoil \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \												
#		lame			EP	3 11					Phase				Area		
1	Re	ewar	d			0182-355	One gal		_		2/3		1G	.057A / 0A			
2	Aqu				_	4581-204 One gal / acre 2 / 3 1G							-	7A /			
3	Na	utiqu	ae		(	67690-10 One gal / acre							1G / 2G	.057A / .057A			

		9				
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						

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

#### Customer

Name: Mailing Address: City / State / Postal Code:

Phone:

Alternate Phone: Email:

Longitude:

Property Address: City / State/ Postal Code: Latitude:

Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Lake: County: State/Prov: Country:

Wisconsin USA Section: 15N Township: 9, 10 Range: Latitude:

43.80194 Degrees -89.34139 Degrees Longitude: Elevation: 783 feet Drainage Lake Type: 17 feet Maximum

Water Depth (Average/Max):

Secchi Disk:

Regulatory Official: **Phone Number:** 

**Permit Number:** 

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M)

10

Ricky A & Barbara A Menzel

17 W464 Earl Court

Darien, IL 60561

w12464@aol.com

83 Cottage Court

Montello Lake

Scott Provost

25-01

(920) 787-4686

Marquette County

Montello, WI, 53949

43.79746877 Degrees

-89.34141116 Degrees

6308527321

Vehicle Information

Type: Airboat **AHAS** Description:

**Application Method:** Subsurface Injection **Nozzle Information:** XR TeeJet SS

N.A

NA.

N.A

NA

N.A

NA

N.A

NA

N.A N.A°C

Site Conditions

Excellent O Good O Poor Recreational Determination: **Sediment Composition:** 3 Foot Average

Water Depth (Average): Alkalinity:

Chlorophyll: Conductivity: Fecal Bacteria: Swimmer's Itch: Total N: Total P:

Water PH: Water DO: Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: June 05, 2001 End: Phase Two

June 05, 2001 Start: End: June 13, 2001

Phase Three

Start: June 13, 2001 End: August 06, 2001

**Phase Four** 

August 06, 2001 Start: December 31, 2001 End:

Lake Map and Site Location Client Number:

(286 Acres)

APM Density "Legend" Rare (<3%) Sparce (3 - 20%)Common (20-60%) Dense (>60%)

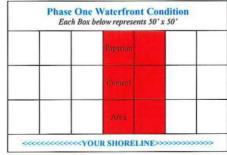
Project Manager: Name: Joshua Britton

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Joshan Rutter Signature: Copyright 2001 Aquatic Engineering, Inc.

#### Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



License Number: 060133





	Jame: Menzel, Ricky A & Barbara A									L	ake Nan		Montello Lake				
Emergent P		P1		P3	P4	Free-Floating Plants P1 P2 P3 P4 Submerged Plants P1								P3	P4		
Average Den						Average Density							O	0	Ō	O	
Bristly sedge		00	O	00	Õ	Common watermeal OOO Algal-leaved pondweed								O	Ó	Ó	
Broad-leaved		Ö	Ŏ	Ö	Q	Forked duckweed O O O Clasp Great duckweed O O O Comm						sping-leaf pond		Õ	Ŏ	Ö	
Brown-fruite		00000	000	00000000000	Ŏ	Forked duckweed OOOC Great duckweed OOOC Slender riccia OOOC Small duckweed OOOC							nmon baldderwe	_	Ö	Ö	Ŏ
Common arre		Ö	Ö	Ö	0	Slender riccia O O O Common water Small duckweed O O O Coontail								d O	O	0	0
Common bur		Ö	$\circ$	Ö	Q									0	0		
Creeping spil		Ö	0	Ö	Q			720772	2002	(Salvines)	120000			ort O	00	O	00
Flowering ru	sh	Ö	0	Ö	Q		oating-leaf Plants P1 P2 P3 P4 Creeping spearwort							, Q	O	Q	Õ
Giant reed		0	0	Ö	0		erage Density								0		0
Grass-leaved		Ŏī	Q	$\odot$	0	American lot	nerican lotus  atterdock  atterdock  atter smartweed  attershield  attershield  atter water lily  llow pond lily  OOO  Ditch-grass  Dwarf water milfoil  Eurasian water milfoil  Farwell's water milfoil  Fern pondweed  Flat-stem pondweed							Q	O	0	Q
Hardstem bu		000	Ŏ	$\overset{\circ}{\circ}$	0	Spatterdock			Ö	$\circ$	Q		arf water milfoil		O	0	Q
Marsh cinque		$\approx$	$\approx$	$\lesssim$	0	Water smartw	reed	0	$\otimes$	000	0		asian water milf		0		0
Narrow-leave		$\sim$	Ò	$\lesssim$	0	Watershield	.,	000	$\otimes$	$\lesssim$	Q		well's water mili		0	0	0
Needle spike		0	0	$\overset{\sim}{\circ}$	0	White water 1		$\otimes$	$\otimes$	$\overset{\sim}{\circ}$	Q		n pondweed	Q	O	Ŏ	Ō
Northern blu		0	$\odot$	Ŏ	0	Yellow pond	lily	$\circ$	$\circ$	0	0		-stem pondweed		O	0	O
Northern man		Ö	0	0	Q	10.0		200	11.00	12010	San B		ating-leaf pondw		0	0	00000
Pickerelweed		0	0	0	0	Algae		PI	P2	P3	P4		den pert	Õ	0	Ò	Ŏ
Purple looses		0	0	0	Ö	Plantonic		$\sim$	0	0	0		ned pondweed	Ö	O	Õ	ŏ
Reed canary	-	$\lesssim$	$\approx$	$\sim$	0	Anabaena		0	$\sim$	0	Q		ois pondweed	0	00	$\odot$	Ö
Rice cut-gras		$\approx$	$\approx$	$\lesssim$	0	Chlorella		0	$\lesssim$	Ŏ	0		e cress	0	$ \odot $	$\odot$	Ö
River bulrush		$\aleph$	$\approx$	$\simeq$	0	Oocyctis		0	$\approx$	0	0	Larg	ge purple bladder	wort	Ö	$\otimes$	8
Robbins spik	erusn	00000	$\approx$	00000	0	Pediastrur		0	00000	00	Q		ge-leaf pondwee	d O	8	$\approx$	$\approx$
Sedges		$\lesssim$	$\simeq$	$\simeq$	0	Scededesr		0	9	0	Q		fy pondweed	. 0	Õ	$\simeq$	$\approx$
Soft rush	1.	000	00000000	000	0	Filamentou			<u></u>	0	0		g-leaf pondweed		0	000000000	$\approx$
Softstem buli		$\approx$	$\approx$	$\simeq$	0	Cladopho		0	$\approx$	$\approx$	0		skgrasses	00	00	$\simeq$	$\approx$
Swamp Loos	estriie	$\approx$	8	$\approx$	Ŏ	Hydrodict		Ŏ	$\lesssim$	$\approx$	Ŏ	Nite		0	$\approx$	$\simeq$	$\approx$
Sweetflag		00	00	0	0	Mougeotia		0	$\lesssim$	$\lesssim$	0		thern water milf		0	$\simeq$	$\approx$
Three-square		$\approx$	$\approx$	Ŏ	0	Rhizoclon		Ŏ	$\approx$	$\approx$	0		ewort	00	0	ŏ	$\approx$
Three-way se	eage	Õ	Ŏ	0	0	Spirogyra		00	000000	000000	Ò		ntain shoreweed	$\approx$	Ŏ	$\approx$	0000000000000
Water cress	ale:	0	0	0	0	Zygnema		O	O	$\circ$	Ō		dweeds	0	0	0	8
Water hemlow Water horseta		000	0000	000	00	APM Done	ity "Legend	**					llworts bon-leaf pondwe	ed O	0	00000	$\approx$
		$\approx$	$\approx$	$\approx$	ŏ	Rare (<3		0					o pondweed		00	$\approx$	X
Water plantai Wild calla	IIIS	$\approx$	$\approx$	$\approx$	ŏ		3 – 20%)	ŏ					ider naiad	$\simeq$	$\approx$	$\simeq$	X
Wild rice		00	00	00	8		(20-60%)						all pondweed	00	00	$\simeq$	00
wild fice		PI		P3	P4	Dense (>							ill purple bladder		$\approx$	$\approx$	X
		11	1 4	13	17	P1 = Pha							al-fruited pondy		00	Õ	8
						P2 = Pha						Stiff	f water crowfoot		0	ŏ	ŏ
						P3 = Pha						Var	ishle nondweed		ŏ	$\approx$	ŏ
						P4 = Pha			И			Var	ious water milfo	il Ö	$\approx$	$\approx$	$\approx$
						P3 = Phase Three P4 = Phase Four  Variable pondweed Various water milfoil Water bulrush Water lobelia Water marigold Water stargrass Water stargrass Water starworts Water-thread pondweed Water-thread pondweed Water-thread pondweed Water-thread pondweed Waterwort						X	X				
Management N	otes:					P4 = Phase Four  Various water milfoil  Water bulrush  Water lobelia  Water marigold  Water stargrass  O O  Water stargrass  Water stargrass  Water starworts							X				
						Water lobelia  Water marigold  Water stargrass  Water sta											
						the entire lake was experiencing nuisance levels in the Coontail" plants along with "Duckweed" and other free s problem is simple, more involvement in a structured APM and the Homeowners Association involvement are essential Water stargrass Water starworts											
						m is simple, more Homeowners Ass					APIM ential	Wat	er starworts	$\approx$	$\approx$	$\approx$	X
						who utilizes this res					etter	Wat	er-thread nondy	reed O	$\approx$	$\approx$	X
it will be for eve	eryone! This	"pea s	soup"	occur	rence is s	omething that can	be managed	by a g	group	effort		Wat	erwort	Ö	00	$\approx$	X
						investigation shou					n		te-stem pondwee		ŏ	ŏ	ŏ
						the lake. Aquatic due to the uptake o					iia de		d celery	d O	$\sim$	$\sim$	0
	ithin the lake	e. If yo	ou wou			formation on how					е			P1	P2	P3	P4
#		Nam			EP	A Reg. No.	Applied	l Ra	te		Phase		Quantity	,	Area		
1		Lewai				0182-355	One gal		_		2/3		1G		2A/(		
2		uatho			_	4581-204 One gal / acre 2 / 3 1G .342A / 0A											
3	Na	autiq	ue			67690-10	One gal	/ac	re	2/3 1G/2G .342A/.171A							

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0.20	1 May	1110.

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse. WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Customer

Kenneth I Pedersen Name: Post Office Box 753 Mailing Address: Bristol, WI 53104 City / State / Postal Code: 6082972968 Phone:

172 Carriage Road

Montello, WI, 53949

43.8072862 Degrees

-89.34409234 Degrees

**Alternate Phone:** 

Email: Property Address: City / State/ Postal Code: Latitude: Longitude:

Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Lake: Montello Lake Marquette County County: State/Prov: Wisconsin USA Country: Section:

15N Township: Range: 9, 10 43.80194 Degrees Latitude:

Longitude: -89.34139 Degrees Elevation: 783 feet

Drainage Lake Type: Water Depth (Average/Max): 17 feet Maximum

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M) Secchi Disk:

Regulatory Official: Scott Provost Phone Number: (920) 787-4686 Permit Number: 25-01

Vehicle Information

Type: Airboat Description: AHAS

**Application Method:** Subsurface Injection Nozzle Information: XR TeeJet SS

Site Conditions

Excellent O Good O Poor Recreational Determination: **Sediment Composition:** Water Depth (Average): 3 Foot Average

Alkalinity: N.A

Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: June 05, 2001 End:

Phase Two

Start: June 05, 2001

End:

June 13, 2001

Phase Three

June 13, 2001 Start: August 06, 2001 End:

**Phase Four** 

August 06, 2001 Start:

December 31, 2001 End:

Lake Map and Site Location **Client Number:** 

(286 Acres)



APM Density "Legend" Rare (<3%) Sparce (3 - 20%)Common (20-60%) Dense (>60%)

Project Manager: Name: Joshua Britton

Signature:

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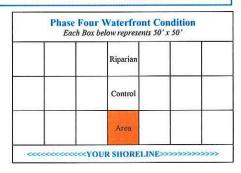
Joshua Rutter ©Copyright 2001 Aquatic Engineering, Inc.

#### Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



License Number: 060133





Customer N		ersen	ı, Kei	nneti	h I					L	ake Nan	ie: 1	Montello Lake				
Emergent P		P1	P2	P3	P4	Free-Floatin Average Den		P1	P2	P3	P4		omerged Plants crage Density	P1		P3	P4 O
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Common arr		ŏ	ŏ	ŏ	ŏ	Slender riccia		00	ŏ	ŏ	ŏ		nmon waterwee	_		ŏ	ŏ
Common bu		ŏ	ŏ	ŏ	ŏ	Small duckw		ŏ	ŏ	ŏ	ŏ		ontail	·	ŏ	ŏ	ŏ
Creeping spi		Ŏ	Ŏ	Ŏ	ŏ			_	_	_	0		eping bladderwe		O	ŏ	ŏ
Flowering ru		000000	000000	Ŏ	Ŏ	Floating-leaf	f Plants	P1	P2	P3	P4		eping spearwort	Ŏ	00	ŏ	ŏ
Giant reed			0	O	O	Average Den			0				ly-leaf pondwee		O	Ŏ	Ŏ
Grass-leaved	l arrowhea	dO	0	0	0	American lot	us	0	0	0	Ō	Dito	ch-grass	ed O	O	0	Ŏ
Hardstem bu		0	000000000000000	0	0	Spatterdock		0	0	0	0	Dw	arf water milfoi			0	00
Marsh cinqu		00	0	0	0	Water smarty	veed	0	Ŏ	0	0	Eur	asian water milf				
Narrow-leav			Ō	Ō	O	Watershield		0	0	0	0		well's water mil	_		0	0
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Northern ma		Ö	Ö	Ö	Q								ating-leaf pondv		O	Ō	00
Pickerelweed		Ö	Ö	Ö	Ŏ	Algae		PI	P2	P3	P4		den pert	Õ	Ō	Ō	Ō
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Reed canary		$\lesssim$	$\lesssim$	$\lesssim$	Ò	Anabaena		Ö	$\otimes$	0	Q		ois pondweed	Q	Ö	Ö	00
Rice cut-gras River bulrus		$\sim$	$\approx$	$\approx$	0	Chlorella		0	$\simeq$	Õ	0		e cress	0	$\sim$	$\otimes$	$\aleph$
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Softstem bul	rush		$\sim$	$\tilde{\mathcal{C}}$	ŏ	Cladopho		ŏ	~	~	ŏ		skgrasses	ωŏ	ŏ	00000	X
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Three-square	)	ŏ	Ŏ	ŏ	ŏ	Rhizoclor		00	ŏ	ŏ	ŏ		ewort		õ	ŏ	ŏ
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Water cress		Ŏ	Ŏ	Ŏ	0	Zygnema		Ŏ	Ŏ	000000	00000	Pon	dweeds	000	0000	Ŏ	Ŏ
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Water planta	ins	Ō	O	Ō	Q	Rare (<3							o pondweed	0	0	0	0
Wild calla		Ŏ	Ö	Ö	Ŏ		3-20%	O					ider naiad	Q	00	Ö	00
Wild rice		O			O	Dense (>	n (20-60%)						ill pondweed	O	Ö	$\odot$	Ö
		P1	P2	P3	P4	P1 = Pha							Il purple bladder al-fruited pondy		0	$\otimes$	0
						P2 = Pha						0.10		~	$\approx$	0	0
							ase Three						water crowtool iable pondweed	_	ŏ	ŏ	ŏ
						P4 = Pha							ious water milfo	il Ö	ŏ		
													er bulrush	oil 00000	ŏ	0000	00000000
Management N				1.1								Wat	er lobelia	Ŏ	Ŏ	Ŏ	Ŏ
						re lake was exper l" plants along wi						Wat	er marigold	Ö	Ŏ	Ŏ	Ŏ
						m is simple, more							er stargrass	0	0	0	0
						Homeowners Ass							er starworts	0	0	000	0
						who utilizes this re comething that can							er-thread pondv	veed O	O	Ō	Ō
													erwort	. 0	O	Ö	Ŏ
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										ıld be		te-stem pondwee		0	8	0	
The state of the s				The state of the state of	Commence of the commence of th	formation on how						VV 110	d celery	P1	P2	P3	P4
community nle	ase contact or	ur offi	ice		1											15	
#		Name	100			EPA Reg. No. Applied Rate  10182-355 One gal / acre					Phase		Quantity		Area	o .	$\Box$
1		Lewar			_	0182-355	_		_		2/3		1G	.057A / 0A .057A / 0A		200100	_
3		uatho autiq			_	4581-204 67690-10	One gal		-		2/3		1G 1G / 2G		A/.0		$\dashv$
3	IN	auuq	uc		1 9	7/090-10	One gar	1 ac			213		10/20	.037	JIA	ė.	

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Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Customer

Name: Alan L & Kerri Ruhland Mailing Address: 512 Birkenbine Drive City / State / Postal Code: Sun Prairie, WI 53590 6088349483 Phone:

**Alternate Phone:** 

Email:

Property Address: 63 Lakeshore Drive City / State/ Postal Code: Montello, WI, 53949 Latitude: 43.80129998 Degrees Longitude: -89.34534943 Degrees Left Neighbor Name:

Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Montello Lake Lake: County: Marquette County State/Prov: Wisconsin Country: USA

Section: Township: 15N 9, 10 Range: Latitude:

43.80194 Degrees -89.34139 Degrees Longitude: Elevation: 783 feet Drainage Lake Type:

Water Depth (Average/Max): 17 feet Maximum

Secchi Disk:

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M) Regulatory Official: Scott Provost **Phone Number:** (920) 787-4686 25-01

Permit Number:

Vehicle Information

Type: Airboat Description: AHAS

Subsurface Injection **Application Method:** Nozzle Information: XR TeeJet SS

Site Conditions

Recreational Determination: Excellent O Good O Poor Sediment Composition:

Water Depth (Average): 3 Foot Average Alkalinity: N.A

Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: NA Total P: NA Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: June 05, 2001 End: Phase Two

Start:

June 05, 2001 June 13, 2001 End:

Phase Three

June 13, 2001 Start: August 06, 2001 End:

Phase Four

August 06, 2001

December 31, 2001 End:

Lake Map and Site Location Client Number:

(286 Acres)

Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.

APM Density "Legend" Rare (<3%) Sparce (3 - 20%)Common (20-60%) Dense (>60%)

Project Manager:

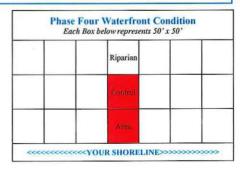
Name: Joshua Britton

Signature:

Joshun Britton



License Number: 060133





Customer N	The second							Montello Lake									
Emergent P		P1	37.4	P3	P4	Free-Floating		P1	P2	P3	P4		merged Plants	P1	100000	133322	P4
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Creeping spi		ŏ	0000	$\approx$	ŏ	Sman duckwe	cu	O	$\cup$	$\cup$	O		eping bladderwo	rt O			Ö
Flowering ru		ŏ	ŏ	ŏ	ŏ	Floating-leaf	Plants	P1	P2	P3	P4		eping spearwort		ŏ	00	ŏ
Giant reed		ŏ	ŏ	000000000000000000000000000000000000000	ŏ	Average Dens							ly-leaf pondwee		ŏ	ŏ	Ö
Grass-leaved	d arrowhead	ďŎ	ŏ	ŏ	ŏ	American lotu		ŏ	ŏ	Ö	ŏ		ch-grass	ŏ			ŏ
Hardstem bu		Ŏ	00000	Ŏ	Ŏ	Spatterdock		Ŏ	000000	00000	ŏ		arf water milfoil		ŏ	00	000000000000000000000
Marsh cinqu	efoil		Ŏ	Ŏ	Ŏ	Water smartw	reed	0	Ŏ	Ŏ	0	Eur	asian water milf			O	O
Narrow-leav	ed cattail	00	0	0	O	Watershield		O	O	Ŏ	Ŏ	Far	well's water milf		O		Ŏ
Needle spike	erush	0	0	0	0	White water I	ily	00	0	0	00	Fern	n pondweed	0	0	Ŏ	O
Northern blu	ie flag	0	0	0	0	Yellow pond	lily	O	0	0	0	Flat	-stem pondweed	0	0	00000000000000000000000	O
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Pickerelwee		0	0	0	0	Algae		P1	P2	P3	P4		den pert	0	0	0	0
Purple loose		0	0	0	0	Plantonic							ned pondweed	0	0	0	0
Reed canary		O	O	O	0	Anabaena		0	0	0	0		iois pondweed	0	0	0	0
Rice cut-gras		Ö	Õ	Ö	Ŏ	Chlorella		Ŏ	Ō	Ō	0		e cress	0	O	Ō	Ō
River bulrus		Ö	Ö	Ö	Ö	Oocyctis		Ó	Ŏ	Ŏ	Q	Larg	ge purple bladder	wort O	000	Ö	Ö
Robbins spik	cerush	Ö	Ö	Ö	Q	Pediastrun		Õ	00000	00000	Q		ge-leaf pondwee		Ö	Ö	Ö
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Soft rush	1.	$\approx$	$\lesssim$	$\lesssim$	0	Filamentou			0	0			g-leaf pondweed	1 00	000	$\lesssim$	$\approx$
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						P1 = Pha							al-fruited pondy		0	0	0
						P2 = Pha							f water crowfoot			0	0
						P3 = Pha							iable pondweed	0	0	O	Ō
						P4 = Pha	se Four						ious water milfo	il Ŏ	O	00	00
Management N	Votage												er bulrush	Ö	0	Ö	Ö
		r it wa	as noti	ced th	at the ent	ire lake was experi	encing nuisa	nce le	evels i	in the			er lobelia	0000	0	000000	$\odot$
predominantly	wind blown sl	horeli	ne are	as, of	"Coontai	l" plants along wit	h "Duckwee	d" an	d othe	er free			er marigold	$\sim$	$\sim$	$\lesssim$	$\otimes$
						em is simple, more							er stargrass	$\sim$	000	$\lesssim$	$\lesssim$
						Homeowners Asso who utilizes this res							er starworts		8	$\approx$	$\lesssim$
						omething that can l							er-thread pondw erwort	eea		$\approx$	$\approx$
						investigation shou							te-stem pondwee	d O	00	8	0000000
						the lake. Aquatic due to the uptake o					ild be		d celery	u ŏ	$\sim$	$\sim$	Ö
aquatic plants v	within the lake	e. If yo	ou wo			formation on how					e	, , 11		P1		P3	P4
community nle			_	_	1770	A D N.	A 12	ID.	4.		Di		0		A		-1
# 1		Nam Lewar				A Reg. No. 0182-355	Applied One gal		-	-	Phase 2/3		Quantity 1G				-
2		uatho				4581-204	One gal		_		2/3		1G	.114A / 0A .114A / 0A			$\dashv$
3		autiq				67690-10	One gal		_		2/3		1G / 2G		A/.1		
	1		1		1		- me Bui		-		-, -						

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Larry & Lynn Theroux Name: Mailing Address: 3241 E Bonnie Drive City / State / Postal Code: Oak Creek, WI 53154 Phone: 4147646840

Alternate Phone: lynntheroux@aol.com Email: **Property Address:** 158 Carriage Road Montello, WI, 53949 City / State/ Postal Code: Latitude: 43.80973421 Degrees Longitude: -89.34239825 Degrees

Left Neighbor Name: Mailing Address: City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Lake: Montello Lake County: Marquette County State/Prov: Wisconsin Country: USA Section: Township: 15N Range: 9, 10

43.80194 Degrees Latitude: Longitude: -89.34139 Degrees

Elevation: 783 feet Type: Drainage Lake

Water Depth (Average/Max): 17 feet Maximum

Secchi Disk: P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M) Regulatory Official: Scott Provost

Phone Number: (920) 787-4686 Permit Number: 25-01

Vehicle Information

Airboat Type: Description: AHAS

**Application Method:** Subsurface Injection **Nozzle Information:** XR TeeJet SS

Site Conditions Recreational Determination:

**Sediment Composition:** 3 Foot Average Water Depth (Average):

Excellent O Good O Poor

Alkalinity: Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A

Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: June 05, 2001 End:

Phase Two

June 05, 2001 Start: End: June 13, 2001

Phase Three

Start: June 13, 2001 August 06, 2001 End:

**Phase Four** 

August 06, 2001

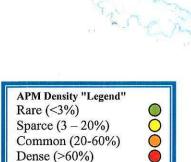
Start:

December 31, 2001

Lake Map and Site Location Client Number: (286 Acres)

Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



Project Manager: Name: Joshua Britton

Joshun Butter Signature:

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**Phase One Waterfront Condition** Each Box below represents 50' x 50 Ripariar Control <<<<<<<<YOUR SHORELINE>>>>>>>>>

License Number: 060133





Customer N		roux	70	Lynn					L	ake Nan		Montello Lake					
Emergent P		P1	P2	P3	P4	Free-Floating	-	P1	P2	P3			omerged Plants	P1		P3	P4
Average De		0			0	Average Den							erage Density	.0		00	00
Bristly sedge		00	0	$\sim$	0	Common wat		8	$\approx$	00	Ö		gal-leaved pondw			$\otimes$	$\approx$
Broad-leave Brown-fruite		$\approx$	0	$\approx$	00	Forked duckwe		0	$\approx$	$\approx$	0		sping-leaf pondy mmon baldderwo			$\lesssim$	8
Common arr		$\approx$	8	X	8	Slender riccia		8	X	0	00		nmon waterweed			000	000
Common bu		X	0	$\approx$	8	Small duckwe		8	00000	00	0		ontail	,			
Creeping spi		$\approx$	$\approx$	$\approx$	ŏ	Siliali duckwe	cu	O	$\cup$	O	O		eping bladderwo	rt Ö		$\sim$	
Flowering ru		00000	000	000000000000000000000000000000000000000	ŏ	Floating-leaf	Plants	P1	P2	P3	P4		eping spearwort		00	00000	00000
Giant reed		ŏ	ŏ	ŏ	ŏ	Average Dens		0	0	0	0		ly-leaf pondwee	d ŏ	ŏ	ĕ	ŏ
Grass-leaved	d arrowhea	dŎ	ŏ	ŏ	ŏ	American lot		ŏ		ŏ	ŏ		ch-grass	ŏ	ŏ	Õ	ŏ
Hardstem bu		Ŏ	Ŏ	Ŏ	Ŏ	Spatterdock		ŏ	Ŏ	ŏ	ŏ		arf water milfoil		ŏ	ŏ	ŏ
Marsh cinqu	efoil		Ŏ	Ŏ	Ŏ	Water smartw	reed	Ŏ	Ŏ	Ŏ	Ŏ		asian water milfo		ŏ	ŏ	ŏ
Narrow-leav	ed cattail	00	0000	0	O	Watershield		0	000000	000	Ō	Far	well's water milf		Ö	Ō	•00000000000000000000000000000000000000
Needle spike	erush	0	0	0	0	White water 1	ily	0	Ō	0	Ō	Fer	n pondweed	Ŏ		Ŏ	Ŏ
Northern blu		0000000000	0	0	0	Yellow pond	lily	0	0	O	0	Flat	t-stem pondweed		0000	Ŏ	Ŏ
Northern ma		0	0	0	0							Floa	ating-leaf pondw	eed O	O	Ō	O
Pickerelwee	d	0	0	0	0	Algae		P1	P2	<b>P3</b>	P4	Gol	den pert	0	0	0	0
Purple loose		0	0	0	0	Plantonic						Hor	ned pondweed	0	0	0	0
Reed canary		O	O	O	O	Anabaena		O	0	0	O		nois pondweed	Ŏ	000	0	0
Rice cut-gras		O	Ō	Ō	0	Chlorella		O	00000	Ō	0		te cress	0	O	0	0
River bulrus		Ö	Ö	Ö	Õ	Oocyctis		Ŏ	Ŏ	O	Ö	Larg	ge purple bladder ge-leaf pondwee	vort O	Q	Õ	Ö
Robbins spik	cerush	Ö	$\odot$	$\circ$	0	Pediastrun		00	$\odot$	00	Q	Lar	ge-leaf pondwee	1 0	$\sim$	$\circ$	8
Sedges		$\circ$	$\sim$	$\lesssim$	Õ	Scededesn		0	$\odot$	0	Q		fy pondweed	ıŏ	$\sim$	$\approx$	8
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Swamp Loos		$\approx$	00000000000	$\approx$	00	Cladophor Hydrodict		00	00	$\approx$	0		skgrasses ellas	$\simeq$	$\approx$	$\approx$	$\approx$
Sweetflag	sesume	0000000000	$\approx$	0000000000	8	Mougeotia		8	$\approx$	000000	00		thern water milfe	oil O	00	000000000000000000000000000000000000000	$\approx$
Three-square	3	$\approx$	$\approx$	$\approx$	ŏ	Rhizoclon		8	$\approx$	$\approx$	ŏ		ewort	<i>"</i> "	$\approx$	$\approx$	$\approx$
Three-way se		ŏ	000	$\tilde{\mathcal{C}}$	ŏ	Spirogyra	14111	ŏ	0000	$\approx$	$\sim$		ntain shoreweed	8	00	$\approx$	$\tilde{\mathcal{C}}$
Water cress	ougo	ŏ	ŏ	ŏ	ŏ	Zygnema		ŏ	ŏ	$\tilde{c}$	Ö		dweeds	ŏ	ŏ	ŏ	ŏ
Water hemlo	ck	ŏ	000	ŏ	ŏ	=) British		_		$\circ$	0		llworts	ŏ	00	ŏ	ŏ
Water horset		ŏ	ŏ	ŏ	ŏ	APM Densi	ity "Legend	11					bon-leaf pondwe		0	ŏ	ŏ
Water planta	ins	Ŏ	Ŏ	Ŏ	Ŏ	Rare (<3	The state of the s						o pondweed	Ŏ	Ŏ	Ŏ	Ŏ
Wild calla		0	$\circ$	0	0	Sparce (3		0				Sler	nder naiad	8	000	000	Ō
Wild rice		0	0	0	0		(20-60%)	)					all pondweed		0	0	0
		P1	P2	P3	P4	Dense (>	60%)						all purple bladder		$\circ$	8	8
						P1 = Pha						Spin	ral-fruited pondw	reedO		Õ	
						P2 = Pha							f water crowfoot	Q		Ö	Õ
						P3 = Pha P4 = Pha							iable pondweed	. 0	00	Ö	Õ
						F4 = Fna	se rour	_					ious water milfor	1 8	8	$\otimes$	$\lesssim$
Management N	Votes:												ter bulrush ter lobelia	000000	0	000000000	000000000
<b>During Phase T</b>	hree and Fou					ire lake was experi							ter nobena	$\simeq$	00	$\approx$	$\approx$
						il" plants along wit							ter stargrass	$\simeq$	$\approx$	$\approx$	$\approx$
						em is simple, more Homeowners Asse							ter starworts	$\simeq$	00	$\approx$	8
						who utilizes this res							ter-thread pondw	eed O	ŏ	ŏ	$\tilde{\mathcal{C}}$
						omething that can l							terwort	$\tilde{\circ}$	ŏ	ŏ	ŏ
						I investigation show the lake. Aquatic							te-stem pondwee	d Ŏ	ŏ	ŏ	ŏ
						due to the uptake o					and oc		d celery	ŏ	ŏ	ŏ	ŏ
aquatic plants v	vithin the lake	e. If yo	ou wou			formation on how					e		10.50	P1		P3	P4
	ase contact our office				חיקו	A Des No.					Dhass	-	Quantita		Awas		
# 1		Name E Reward				A Reg. No.					Phase 2/3		Quantity 1G		Area 7A/		-
2		Aquathol K				4581-204	One gal / acre 2/3				100000000000000000000000000000000000000		1G	9,5 0,000	7A/	17.000000	$\dashv$
3		Nautique			_	67690-10	One gal				2/3				A/.0		
5																	

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Customer

Name: Mailing Address:

City / State / Postal Code: Phone:

**Alternate Phone:** 

Email:

**Property Address:** City / State/ Postal Code:

Latitude: Longitude: Left Neighbor Name: Mailing Address: City / State / Postal Code:

Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Lake: County: State/Prov:

Country: Section:

Township: Range: Latitude:

Longitude: Elevation:

Type: Water Depth (Average/Max):

Secchi Disk: Regulatory Official:

Phone Number:

Permit Number:

Duane C & Alice M Weckwerth 144 Carriage Road

Montello, WI 53949 6082977367

144 Carriage Road Montello, WI, 53949

0 Degrees 0 Degrees

Montello Lake Marquette County

Wisconsin USA 15N

9, 10 43.80194 Degrees -89.34139 Degrees

783 feet Drainage Lake

17 feet Maximum P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M)

Scott Provost (920) 787-4686

Vehicle Information

Type: Airboat Description: AHAS

Subsurface Injection **Application Method: Nozzle Information:** XR TeeJet SS

Excellent O Good O Poor

3 Foot Average

N.A.

N.A

N.A

N.A

N.A

N.A

N.A

Site Conditions

Recreational Determination: **Sediment Composition:** 

Water Depth (Average): Alkalinity: Chlorophyll:

Conductivity: Fecal Bacteria: Swimmer's Itch: Total N: Total P:

Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

May 30, 2001 Start: End: June 05, 2001

Phase Two

Start: June 05, 2001 June 13, 2001

End: **Phase Three** 

June 13, 2001 Start: August 06, 2001 End:

**Phase Four** 

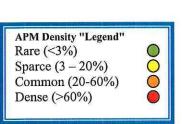
August 06, 2001 Start: End: December 31, 2001

25-01

Lake Map and Site Location **Client Number:** (286 Acres)

Management Suggestions:

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



Project Manager: Name: Joshua Britton

Signature:

Phase One Waterfront Condition Each Box below represents 50' x 50' Ripariar Control 

License Number: 060133

Date: January 17, 2002





©Copyright 2001 Aquatic Engineering, Inc.

Customer Name: Weckwerth, Duane C & Alice M										Lake Name: Montello Lake								
Emergent P								P1		P3			merged Plants rage Density	P1 O	0	P3	P4 O	
Bristly sedge		0	0	0	0	Common water		0	0	0	0		al-leaved pondw		0	0	0	
Broad-leave		0	O	Ō	O	Forked duckw		O	0000	0000	O		sping-leaf pondy			0	0	
Brown-fruite		00	Ö	Ŏ	Q	Great duckwe		Ö	Ö	Ö	Q		nmon baldderwo		Ó	8	00	
Common arr			Ö	Ö	O	Slender riccia		0	Ö	Ö	Q		nmon waterweed	ı Q	O	O	O	
Common bu		ŏ	$\overset{\circ}{\circ}$		0	Small duckwe	eed	0	0	0	0		ontail		0	0	0	
Creeping spi		000	000	000000000000000000000000000000000000000	0	Floating-leaf Plants Pl				D4	70.4		eping bladderwo	rt O	0	000	000	
Flowering ru Giant reed	ısn		$\approx$	$\approx$	0			P1		P3	P4		eping spearwort	d O	00	0	9	
Grass-leaved	Larrowhoo	0,	000	$\approx$	00	Average Dens American lotu		0	0		0		ly-leaf pondwee ch-grass					
Hardstem bu		ŏ	$\approx$	$\approx$	ŏ	Spatterdock	18	00	$\approx$	00	00		arf water milfoil	00	00	00	$\approx$	
Marsh cinqu		$\sim$	$\approx$	$\sim$	ŏ	Water smartw	reed	ŏ	000000	$\approx$	ŏ		asian water milfo	oil 🤘	Ö			
Narrow-leav		00	00	$\tilde{c}$	ŏ	Watershield	cou	$\tilde{\mathcal{C}}$	$\tilde{c}$	$\tilde{a}$	ŏ		well's water milf		ŏ	Ö	O	
Needle spike		ŏ	ŏ	ŏ	ŏ	White water li	ilv	00	ŏ	000	ŏ		n pondweed	ñŏ	ŏ	ŏ	ŏ	
Northern blu		Ŏ	00	Ŏ	Ŏ	Yellow pond		ŏ	Ŏ	ŏ	ŏ		-stem pondweed	00	00	ŏ	ŏ	
Northern ma		Ŏ	Ŏ	Ŏ	Ŏ		•	_	_	_	•		ating-leaf pondw		Ŏ	Ŏ	ŏ	
Pickerelwee	d	Ŏ	000	Ŏ	00	Algae		P1	P2	P3	P4		den pert	Ŏ	000	Ŏ	Ŏ	
Purple loose	strife	000000	0	0	0	Plantonic						Hor	ned pondweed	0	0	•000000000000000000000	000000000000000000000000000000000000000	
Reed canary		0	0	0	0	Anabaena		0	0	0	0		ois pondweed	0	0	0	0	
Rice cut-gras		O	ŏ	Ö	O	Chlorella		Õ	Ö	Ö	0		e cress	Õ	0	Ō	Ö	
River bulrus		0	Ö	Ö	0	Oocyctis		0	Ö	Ö	Q	Larg	ge purple bladder	vort O	Q	Q	Q	
Robbins spil	cerush	$\otimes$	8	$\otimes$	0	Pediastrun		0	$\otimes$	$\otimes$	Q		ge-leaf pondwee		$\sim$	$\approx$	$\approx$	
Sedges Soft rush		$\approx$	000	$\approx$	0	Scededesn		0	00000	00000	0		fy pondweed g-leaf pondweed	000	0000	$\approx$	$\approx$	
Softstem bul	moh	$\approx$	$\approx$	$\approx$	00	Filamentou Cladophor		0			Ö		g-lear pondweed skgrasses		0	$\approx$	$\approx$	
Swamp Loos		$\approx$	X	X	ŏ	Hydrodict		8	$\approx$	00	0	Nite		X	ŏ	$\approx$	$\approx$	
Sweetflag	SCSUIIC	ŏ	$\approx$	$\tilde{\mathcal{C}}$	ŏ	Mougeotia		ŏ	$\sim$	$\sim$	ŏ		thern water milfe	oil O	ŏ	$\sim$	$\approx$	
Three-square		ŏ	ŏ	ŏ	ŏ	Rhizoclon		ŏ	$\tilde{\mathcal{C}}$	00	ŏ		ewort	ñõ	õ	ŏ	$\tilde{\circ}$	
Three-way s		ŏ	ŏ	ŏ	ŏ	Spirogyra		ŏ	ŏ	ŏ	ŏ		tain shoreweed	000	ŏ	ŏ	ŏ	
Water cress		00000000000	000000000	Ŏ	Ŏ	Zygnema		ŏ	000000	00	00	Pon	dweeds	Ŏ	000	Ŏ	Ŏ	
Water hemlo	ck	Ŏ	Ŏ	Ŏ	0	Control Control			7		) <del></del> :	Qui	llworts	0	00	0	0	
Water horset		0	0	0	0	APM Densi		"					oon-leaf pondwe		0	0	0	
Water planta	ins	Ō	O	Q	Ō	Rare (<3			Н				o pondweed	0	0	Ō	Ō	
Wild calla		Ö	Ó	Ö	Ŏ	Sparce (3		O					der naiad	Q	0	Ö	Ö	
Wild rice		0	0	0	0	Dense (>	(20-60%)						ill pondweed	Ö	Ŏ	0000	0000	
		P1	P2	P3	P4	P1 = Pha						Sma	ll purple bladder	vortO	00	8	8	
						P2 = Pha							al-fruited pondw water crowfoot	100				
						P3 = Pha							iable pondweed	8	00	0	8	
						P4 = Pha							ious water milfo	1 0	$\tilde{\mathcal{C}}$	$\approx$	$\sim$	
									4				er bulrush	íŏ	00	ŏ	ŏ	
Management N		197	16.6	20 1001111	n svegut e-	al page		Seri					er lobelia	00000	ŏ	000000000	000000000	
						ire lake was experi- il" plants along wit						Wat	er marigold	Ŏ	00	Ŏ	Ŏ	
						em is simple, more						Wat	er stargrass	0	0	Ŏ	O	
program, by yo	ur neighbors.	Thei	r invo	lveme	ent and the	Homeowners Ass	ociation inve	olvem	ent aı	e esse	ential		er starworts	0	0	0	0	
						who utilizes this res							er-thread pondw	eed 🔿	0	O	Ō	
						omething that can l I investigation shou							erwort	Ō	Õ	Ö	Ó	
done already to	assist in redu	ucing t	he nu	trient	influx inte	o the lake. Aquatic	vegetation	manag	gemer	nt shou			te-stem pondwee	d O	0	Q	Ŏ	
done already to assist in reducing the nutrient influx into the lake. Aquatic vegetation is kept to the bare necessity of the nuisance plant species, due to the uptake of nutrients by												Wil	d celery		P2	D	O	
aquatic plants within the lake. If you would like more information on how we could assist community please contact our office.										ic iak				P1	P2	P3	P4	
#		Nam				PA Reg. No.		Rate Phase				Quantity		Area		_		
1		Rewa				10182-355	1 / ac	-		2/3		1G		7A /		$\dashv$		
2		uath			_	4581-204	l/ac	$\overline{}$		2/3		1G	.057A / 0A .057A / .057A					
3	l N	autic	ue			67690-10	One ga	I / ac	re		2/3		1G / 2G	.057	A/.0	3/A		

Prepared by Joshua Britton / Director of Ecological Services, Aquatic Engineering, Post Office Box 3634, La Crosse, WI 54602, Aquatic Engineering Research Facility, 320 West Jefferson Street, West Salem, WI 54669, Phone: 608-781-8770, Fax: 608-781-8771, Email: JBritton@aquaticengineering.org, Website: www.aquaticengineering.org

Customer

Ted W & Helen M Yurs Name: W3550 Sylvester Road Mailing Address: Monroe, WI 53566 City / State / Postal Code: Phone: 6083256898

**Alternate Phone:** 

Email:

**Property Address:** W3428 Lake Drive City / State/ Postal Code: Montello, WI, 53949 43.79904657 Degrees Latitude: Longitude: -89.33375976 Degrees Left Neighbor Name: Mailing Address:

City / State / Postal Code: Right Neighbor Name: Mailing Address: City / State / Postal Code:

Lake Information

Montello Lake Lake: County: Marquette County State/Prov: Wisconsin Country: USA Section: Township: 15N

9.10 Range: 43.80194 Degrees Latitude: Longitude: -89.34139 Degrees

Elevation: 783 feet Drainage Lake Type: 17 feet Maximum

Water Depth (Average/Max): Secchi Disk:

P1: (0.0M) P2: (0.0M) P3: (0.0M) P4: (0.0M) Regulatory Official: Scott Provost Phone Number: (920) 787-4686

Permit Number:

Lake Map and Site Location Client Number:

25-01



APM Density "Legend" Rare (<3%) Sparce (3 - 20%)Common (20-60%) Dense (>60%)

Project Manager: Name: Joshua Britton

Joshun Britter Signature:

Vehicle Information

Type: Airhoat Description: **AHAS** 

Subsurface Injection **Application Method: Nozzle Information:** XR TeeJet SS

Site Conditions

Recreational Determination: Excellent O Good O Poor **Sediment Composition:** Water Depth (Average): 3 Foot Average

Alkalinity: N.A

Chlorophyll: N.A Conductivity: N.A Fecal Bacteria: N.A Swimmer's Itch: N.A Total N: N.A Total P: N.A Water PH: N.A Water DO: N.A N.A°C Water Temperature:

Phase Timeline:

Phase One

Start: May 30, 2001 June 05, 2001 End:

Phase Two

June 05, 2001 Start: June 13, 2001 End:

Phase Three

Start: June 13, 2001 August 06, 2001 End:

August 06, 2001 Start: December 31, 2001

End:

Management Suggestions:

11

Phase One and Two saw common densities of nuisance vegetation all of which were managed effectively by the aquatic herbicides. Phase Three and Four found the site to be still of poor recreational value in regards to the vegetation within the management area. It was noticed during this visit that non-target high value vegetation remained within our treatment areas, as planned. It was also noticed in the predominant wind blown shorelines that "Coontail" plants along with "Duckweed" and other free floating species of vegetation migrated within our treatment areas. We treated these species within our management areas successfully until the wind migrated new plants back into our areas. The answer to this problem is simple, more involvement in our 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! If you would like more information on how we could assist the entire lake community so that all parties are working together, please contact our office for more information. There is nothing you should do differently for 2002 but to signup for as many areas as you can afford, based on last seasons findings, we enclosed a credit for you to use on our 2002 services.



License Number: 060133

Date: January 17, 2002





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Customer No		, Te	dW	& H	elen M	Lake Name: Montello Lake															
Emergent P		P1	P2	200	P4	Free-Floating	P1	200	P3	100		omerged Plants	P1		P3	P4					
Average Den						Average Dens							erage Density	0		0	O				
Bristly sedge		O	0	0	Ö	Common water		O	Ö	Ö	00		gal-leaved pondw			0	0				
Broad-leaved		0	O	Ŏ	Q	Forked duckw		0	Ö	Ö	Ö		sping-leaf pondv			Õ	Ö				
Brown-fruite		0	000	00000000000	Ö	Great duckwe		0	00000	0000	0		nmon baldderwo		0	Ö	000				
Common arro		0	$\approx$	$\lesssim$	Ö	Slender riccia		0	$\lesssim$	$\lesssim$	0		nmon waterweed	Q	0	O	0				
Common bur		ŏ	$\approx$	$\approx$	0	Small duckwe	0	$\circ$	Ŏ	0		ontail		0	0	000000					
Creeping spil Flowering ru		$\approx$	0	$\approx$	0	Electing leaf	Dlants	D1	D2	D2	D4		eping bladderwo		0	0	$\approx$				
Giant reed	811	00	$\approx$	$\approx$	00	Floating-leaf Average Dens		P1	P2	P3	P4		eping spearwort ly-leaf pondweed	. 0	0	9					
Grass-leaved	arrowhead	48	$\approx$	$\approx$	8	American lotu		0			ŏ		ch-grass	0	0						
Hardstem bul		$\simeq$	$\approx$	$\approx$	ŏ	Spatterdock	15	ŏ	$\approx$	00	ŏ		arf water milfoil	ŏ	00	00	$\approx$				
Marsh cinque		00	000000	$\approx$	ŏ	Water smartw	reed	ŏ	00000	$\approx$	ŏ		asian water milfo		Ö						
Narrow-leave		ŏ	$\approx$	$\tilde{\mathcal{C}}$	ŏ	Watershield	ccu	ŏ	$\approx$	00	ŏ		well's water milfo		ŏ	$\sim$	0				
Needle spike		ŏ	ŏ	$\sim$	ŏ	White water li	ilv	ŏ	$\approx$	ŏ	ŏ		n pondweed	m ŏ	ŏ	$\approx$	$\approx$				
Northern blue		ŏ	ŏ	ŏ	ŏ	Yellow pond l		ŏ	ŏ	ŏ	ŏ		t-stem pondweed	ŏ	ŏ	$\tilde{\mathcal{C}}$	$\approx$				
Northern man		000	00000	0000	ŏ	1 chow pond 1	iii y	$\circ$	$\circ$	$\circ$	0		ating-leaf pondw	eed O	$\sim$	$\sim$	$\approx$				
Pickerelweed		ŏ	ŏ	ŏ	ŏ	Algae		P1	P2	P3	P4		den pert	ŏ	00	ŏ	ŏ				
Purple looses		ŏ	ŏ.	õ	ŏ	Plantonic			0				ned pondweed	ŏ	ŏ	ŏ	ŏ				
Reed canary		ŏ	ŏ	ŏ	ŏ	Anabaena		ŏ	ŏ	ŏ	ŏ		nois pondweed	ŏ	ŏ	ŏ	ŏ				
Rice cut-gras		Ŏ	Ŏ	Ŏ	Ŏ	Chlorella		ŏ	ŏ	ŏ	ŏ		e cress	ŏ	ŏ	Ŏ	Ŏ				
River bulrush	1	Ŏ	Ŏ	Ŏ	Ŏ	Oocyctis		Ŏ	Ŏ	0	Ŏ	Larg	ge purple bladder		Ŏ	Ŏ	Ŏ				
Robbins spik	erush	0	Ō	Ō	Ō	Pediastrun	n	Ō	Ŏ	00	Ŏ	Larg	ge-leaf pondweed	IŎ	Ŏ	Ŏ	Ŏ				
Sedges		0	0	00	0	Scededesn	nus	0	O	O	0	Lea	fy pondweed	0	0	0	0				
Soft rush		0	0	0	0	Filamentou.	S						ig-leaf pondweed	0	0	0	0				
Softstem bult	rush	0	0	0	0	Cladophor		00	0	0	0		skgrasses	0	0	0	0				
Swamp Loos	estrife	00000	0	Ō	Ō	Hydrodict		0	0000000	000	0	Nite		0	O	O	O				
Sweetflag			O	Ō	Q	Mougeotia		Ō	Ō	Ō	O		thern water milfo	il O	Ō	Ō	Ō				
Three-square		000	00000000000000	000000000	00	Rhizoclon	ium	Ö	000	000	0		ewort	00000000	000000000	•0000000000000000000	•00000000000000000000000000000000000000				
Three-way se	dge	Ö	Ö	Ö	Ŏ	Spirogyra		Q	Ö	Ö	Õ		ntain shoreweed	Ŏ	Ö	Ö	Ö				
Water cress			Ö	Ö	Q	Zygnema		Ō	$\circ$	$\circ$	0		dweeds	0	0	Ö	Ö				
Water hemlo		00	$\odot$	$\odot$	0	A DM D	14 UT	111					llworts	. 0	0	Ŏ	$\odot$				
Water horseta		$\lesssim$	$\lesssim$	$\overset{\sim}{\circ}$	$\aleph$	APM Densi Rare (<3°							bon-leaf pondwe		0	$\lesssim$	$\lesssim$				
Water plantai Wild calla	ns	0	$\approx$	0	0	Sparce (3		Ö				Ribbon-leaf pondweed O O O O O O O O O O O O O O O O O O									
Wild calla Wild rice		0	$\approx$	00	0	Common						Small pondweed OOO									
wild rice		O P1	P2	P3	O P4	Dense (>						Small purple bladderwort O O O									
		LI	12	13	14	P1 = Phas						Small purple bladderwort O O O O Spiral-fruited pondweed O O O									
						P2 = Pha						CC-12/2/2019	f water crowfoot	Ö	ŏ	ŏ	ŏ				
						P3 = Pha					Variable pondweed OOOO										
						P4 = Pha															
									4				ter bulrush	ŏ	00	ŏ	ŏ				
Management N		11797						7.2					ter lobelia	ŏ	ŏ	0000	0000000000				
						ire lake was experie						Wat	ter marigold	Ŏ	ŏ	Ŏ	Ŏ				
						I" plants along with em is simple, more							ter stargrass	Ŏ	Ŏ	Ŏ	Ŏ				
						Homeowners Asso						Wat	ter starworts	Ŏ	Ŏ	Ŏ	Ŏ				
						vho utilizes this res						Wat	ter-thread pondw	eed O	Ō	Ō	Ō				
		omething that can b							terwort	0	0	00	0								
		I investigation should be taken up if has not been the lake. Aquatic vegetation management should be						Whi	te-stem pondwee	9	0	0	0								
kept to the bare	necessity of t	he nu	isance	e plan	species,	due to the uptake of	f nutrients b	y the	high v	alue		Wil	d celery	0	0	0					
aquatic plants w				uld lik	e more in	formation on how	we could as	sist th	e enti	re lak	e			P1	P2	P3	P4				
#		Vam			EP	PA Reg. No. Applied			d Rate Phase				Quantity		Area	ē,	$\neg$				
1		ewa			_	0182-355	One ga		_		2/3		1G		.057A / 0A						
2		uatho				4581-204	1 / ac	-		2/3				7A/							
3		autiq				67690-10	One ga		$\overline{}$		2/3		1G / 2G	.057.	A/.0	57A					
5																					