A

APPENDIX A

2021 Herbicide Concentration Monitoring Plan

Kawaguesaga Lake, Oneida County (WBIC: 1542300) 2021 Herbicide Sample Plan Onterra, LLC

Kawaguesaga Lake, Oneida County is an approximately 700-acre drainage lake and has a mean depth of 18 feet and a maximum depth of 44 feet. Florpyrauxifen-benzyl (commercially as ProcellaCORTM) is proposed to be applied to 10.3 acres of the lake in early-summer 2021 to control Eurasian watermilfoil. Herbicide concentration sampling will be conducted in order to monitor the herbicide concentrations in the hours and days following the application.

Water samples will need to be collected at the sites and depths listed below. Data are in decimal degrees and the datum is WGS84. Locations of each sampling site are displayed on the attached map.

Kawaguesaga Lake Herbicide Sample Sites										
Site Label	Site Description	Station ID	Latitude	Longitude	Sample Depth					
K1	P-21 application area	10055075	45.855952	-89.743252	Integrated (0-6 feet)					
K2	Q-21 application area	10055076	45.865129	-89.751049	Integrated (0-6 feet)					
K3	R-21 application area	10055077	45.860702	-89.749831	Integrated (0-6 feet)					
K4	West Bay (QR Bay)	10055091	45.86235	-89.749536	Integrated (0-6 feet)					
K5	South Bay (P- Bay)	10055078	45.862463	-89.741992	Integrated (0-6 feet)					
K6	SW Basin AOPI	10055079	45.858021	-89.74101	Integrated (0-6 feet)					

Please note that a single sample is to be collected before the treatment as a 'control' for the lab analysis. Please collect the pre-treatment sample from site K6 at a time that is most convenient for the volunteer but as close to the treatment date as possible. After the herbicide application is completed, 36 samples will need to be collected at seven different time intervals throughout the project and are listed in the table below. If a sample cannot be collected at the interval listed below, please collect the sample as soon as reasonably possible and record the change.

Sample Interval Matrix (X indicates sample to be collected)									
Internel	Treatme	nt Applicat	ion Areas	West Bay (QR Bay)	South Bay AOPI (P-Bay)	SW Basin AOPI			
Pre-Treatment			n.s	N4	ng	KO V			
3 HAT	Х	х	х			^			
6 HAT	Х	Х	Х						
9 HAT	Х	Х	Х	Х	Х	Х			
24 HAT	Х	Х	Х	Х	Х	Х			
48 HAT	Х	Х	Х	Х	Х	Х			
96 HAT	Х	Х	Х	Х	Х	Х			
7 DAT	Х	Х	Х	Х	Х	Х			
HAT = Hours After Treatment, DAT= Days After Treatment									

All water samples will be collected using an integrated sampler (Photo 1). A video tutorial demonstrating the proper sample collection methodology is available on Onterra's YouTube web page: <u>click here</u>



Due to the extremely low concentrations being measured at the laboratory (<1 part per billion), **it is very important to thoroughly rinse the integrated sampler and the custom mixing bottle with the water from each sampling site upon arrival at the site**. Water is collected by pushing the integrated sampler straight down to a depth of six feet; or in water shallower than six feet, down to approximately one foot above the bottom sediment. The sampler is brought to the surface and emptied into a customized mixing bottle by pushing open the stop valve at the end of the integrated sampler (Photo 2). Water should be poured from the custom mixing bottle to triple rinse the clear glass bottle. After the clear glass bottle is triple rinsed, it is to be filled for a fourth time with the water from the custom mixing bottle and then carefully poured into the brown glass bottle which has a preservative solution already inside (Photo 3). While the samples are being collected, they should be kept cold and out of direct sunlight by keeping them in a small cooler on the boat. Samples should be kept refrigerated until shipping.

Please use a fine-tipped permanent marker to record the date and time the sample is collected on the sticker label of the brown glass bottle. The final sample (in the brown bottle) as well as the emptied clear glass bottle should be carefully placed back within the bubble wrapped pouch to protect from accidental breakage.



Photo 2. Emptying the water sample F from the integrated sampler device g into the custom mixing bottle.

Photo 3. Clear glass mixing bottle and final brown glass bottle.

Onterra will provide all of the necessary supplies to complete the sampling and provide training to the volunteer(s) collecting the samples. Onterra has a supply of handheld GPS units and integrated sampler devices available to loan out for the duration of the sampling upon request. All other materials, including sampling bottles with labels, a customized mixing bottle and necessary paperwork will be provided.

Please fill out the yellow highlighted fields on the Chain of Custody forms including:

- Sampler: (Volunteer Name)
- Client Sample ID: (example: K1, K2)
- Date sample is collected

When all sampling is complete, the water samples **and** Chain of Custody Datasheets should be shipped by overnight currier to:

EPL Bio Analytical Services 9095 W. Harristown Blvd. Niantic, IL 62551

Samples should <u>not</u> be shipped on loose ice. Ice packs or frozen water bottles (contained in a zip bag) may be shipped with the samples to keep them cool. Samples should not be shipped on a Friday, but rather refrigerated and shipped on the following Monday.

If you have any questions, please call or email one of the contacts listed below.

Project specifics, logistics and sampling methods						
Todd Hanke	Eddie Heath					
Onterra, LLC	Onterra, LLC					
thanke@onterra-eco.com	eheath@onterra-eco.com					
Cell Phone (920) 360-7233	Cell Phone (920) 360-1851					
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WDNR	Support					
Michelle Nault	Scott VanEgeren					
WI DNR	WI DNR					
Michelle.Nault@wisconsin.gov	Scott.VanEgeren@wi.gov					
Office (608) 513-4587						
SePro (ProcellaC	OR manufacturer)					
Michael Hiatt						
SePro Aquatic Specialist						
michaelh@sepro.com						



Minocqua Lake, Oneida County (WBIC: 1542400) 2021 Herbicide Sample Plan Onterra, LLC

Minocqua Lake, Oneida County is an approximately 1,339-acre drainage lake and has a mean depth of 23 feet and a maximum depth of 60 feet. Florpyrauxifen-benzyl (commercially as ProcellaCORTM) is proposed to be applied to 6.9 acres of the lake in early-summer 2021 to control Eurasian watermilfoil. Herbicide concentration sampling will be conducted in order to monitor the herbicide concentrations in the hours and days following the application.

Water samples will need to be collected at the sites and depths listed below. Data are in decimal degrees and the datum is WGS84. Locations of each sampling site are displayed on the attached map.

Minocqua Lake Herbicide Sample Sites										
Site Label	Site Description	Station ID	Latitude	Longitude	Sample Depth					
M1	O-21 Application Area - East	10055080	45.868704	-89.676193	Integrated (0-6 feet)					
M2	O-21 Application Area - West	10055083	45.868663	-89.673581	Integrated (0-6 feet)					
M3	Stacks Bay AOPI	10055084	45.870465	-89.677556	Integrated (0-6 feet)					
M4	Deep Hole, Eastern Basin	10039093	45.870823	-89.690679	Integrated (0-6 feet)					

Please note that a single sample is to be collected before the treatment as a 'control' for the lab analysis. Please collect the pre-treatment sample from site M3 at a time that is most convenient for the volunteer but as close to the treatment date as possible. After the herbicide application is completed, 20 samples will need to be collected at seven different time intervals throughout the project and are listed in the table below. If a sample cannot be collected at the interval listed below, please collect the sample as soon as reasonably possible and record the change.

Sampling Interval Matrix (X indicates sample to be collected)									
	Applicat	ion Area	Stacks Bay AOPI	Deep Hole of Eastern Basin					
Interval	M1	M2	М3	M4					
Pre-Treatment			Х						
3 HAT	Х	Х							
6 HAT	Х	Х							
9 HAT	Х	Х	Х						
24 HAT	Х	Х	Х	Х					
48 HAT	Х	Х	Х						
96 HAT	Х	Х	X						
7 DAT	Х	Х	X						
HAT = Ho	ours After Tre	atment, DAT	= Days After Trea	tment					

All water samples will be collected using an integrated sampler (Photo 1). A video tutorial demonstrating the proper sample collection methodology is available on Onterra's YouTube web page: <u>click here</u>



Due to the extremely low concentrations being measured at the laboratory (<1 part per billion), **it is very important to thoroughly rinse the integrated sampler and the custom mixing bottle with the water from each sampling site upon arrival at the site**. Water is collected by pushing the integrated sampler straight down to a depth of six feet; or in water shallower than six feet, down to approximately one foot above the bottom sediment. The sampler is brought to the surface and emptied into a customized mixing bottle by pushing open the stop valve at the end of the integrated sampler (Photo 2). Water should be poured from the custom mixing bottle to triple rinse the clear glass bottle. After the clear glass bottle is triple rinsed, it is to be filled for a fourth time with the water from the custom mixing bottle and then carefully poured into the brown glass bottle which has a preservative solution already inside (Photo 3). While the samples are being collected, they should be kept cold and out of direct sunlight by keeping them in a small cooler on the boat. Samples should be kept refrigerated until shipping.

Please use a fine-tipped permanent marker to record the date and time the sample is collected on the sticker label of the brown glass bottle. The final sample (in the brown bottle) as well as the emptied clear glass bottle should be carefully placed back within the bubble wrapped pouch to protect from accidental breakage.



Photo 2. Emptying the water sample F from the integrated sampler device g into the custom mixing bottle.

Photo 3. Clear glass mixing bottle and final brown glass bottle.

Onterra will provide all of the necessary supplies to complete the sampling and provide training to the volunteer(s) collecting the samples. Onterra has a supply of handheld GPS units and integrated sampler devices available to loan out for the duration of the sampling upon request. All other materials, including sampling bottles with labels, a customized mixing bottle and necessary paperwork will be provided.

Please fill out the yellow highlighted fields on the Chain of Custody forms including:

- Sampler: (Volunteer Name)
- Client Sample ID: (example: M1, M2)
- Date sample is collected

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thanke@onterra-eco.com	eheath@onterra-eco.com					
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WDNR	Support					
Michelle Nault	Scott VanEgeren					
WI DNR	WI DNR					
Michelle.Nault@wisconsin.gov	Scott.VanEgeren@wi.gov					
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SePro (ProcellaC	OR manufacturer)					
Michael Hiatt						
SePro Aquatic Specialist						
michaelh@sepro.com						



B

APPENDIX B

2020-2021 Sub-Sample Aquatic Plant Data

A-20 (UNTREATED REFERNCE)



B-20





C-20



D-20





G-20



E-20







0-21





P-21



Appendix B



Q-21









C

APPENDIX C

Minocqua Kawaguesaga Lakes EWM Removal Report 2021 – Aquatic Plant Management, LLC



Minocqua Kawaguesaga Lakes 2021 EWM Manual Removal Report

Wednesday, September 01, 2021

Site Summary

MKLPA Dates: 6/21 - 8/20



Service	Dive Location	Avg. Water Depth	# of Dives	Underwater Dive Time	AIS Removed (cubic feet)	
DASH	PG-23	7.5	36	57.5	283.0	
	PG-5	6.1	7	12.4	18.5	
	PG-2	6.1	5	4.3	8.0	
DASH Total		7.2	48	74.2	309.5	
HH	19.5-2	6.6	20	24.4	103.0	
	PG-5	8.0	8	12.3	42.0	
	20.8-2	7.0	5	5.7	38.0	
	19.5-1	5.6	10	8.9	23.0	
	20.3-2	5.5	6	5.0	21.0	
	PG-2	7.5	4	7.3	15.5	
	20.5-9	8.0	6	6.2	14.0	
	8.5D	6.2	5	6.0	12.0	
	7.3D	5.7	3	3.3	9.5	
	20.1-8	5.6	5	4.2	7.5	
	8.7HD	7.3	3	3.8	7.5	
	7.2D	6.5	1	1.0	6.0	
	8.1D	6.0	3	3.0	5.0	
	19.3-2	7.9	4	3.3	4.0	
	Singles E of 20.1-8	5.5	2	1.4	4.0	
	6.43HD	7.0	2	2.3	4.0	
	F-20	4.6	7	1.1	3.5	
	20.5-6	5.2	3	0.9	3.0	
	6.40HD	6.0	2	2.7	3.0	
	7.5D	6.0	2	1.4	3.0	
	8.3D	6.0	1	1.3	3.0	
	19.3-1	5.0	5	0.7	2.5	
	20.7-6	6.7	3	1.4	2.0	
	D-20	2.5	3	0.4	1.5	
	20.3-6	3.5	2	0.3	1.0	
	20.1-9	5.8	2	0.5	1.0	
	20.3-5	4.0	2	0.2	1.0	
	7.8D	6.0	1	0.5	1.0	
	8.2HD	5.5	1	0.4	0.5	
	PG-21	8.5	1	2.1	0.5	
	20.2-8	5.0	1	0.5	0.5	
HH Total		6.2	123	112.5	343.0	
Grand Total		6.5	171	186.6	652.5	

Dive Map

Kawaguesaga







Dive Map







Dive Detail

MKLPA Dates: 6/21 - 8/20



Date	Dive Location	Latitude	Longitude	Underwater Dive Time (hrs)	AIS Removed (cubic ft)	AIS Density	Avg Water Depth (ft)	Native Species	Native By- Catch	Substrate Type
6/21/2021	19.5-2	45.88052	-89.70414	1.33	9.0	Scattered	7.0	Pondweeds	2.0	Sand
6/21/2021	19.5-2	45.88122	-89.70415	1.58	5.0	Scattered	9.0	Pondweeds	1.0	Sand
6/21/2021	19.5-2	45.88040	-89.70747	1.33	9.0	Scattered	10.0	Pondweeds	1.0	Sand
6/21/2021	19.5-2	45.88240	-89.70569	2.00	6.0	Highly Scattered	6.0	Coontail	1.0	Sand
6/22/2021	19.5-2	45.88082	-89.70709	0.83	1.0	Clumps	10.0	None	0.0	Sand
6/22/2021	19.5-2	45.88097	-89.70634	1.75	6.0	Clumps	10.0	Coontail	1.0	Sand
6/22/2021	19.5-2	45.88117	-89.70518	1.50	5.0	Clumps	10.0	Coontail	1.0	Sand
6/22/2021	20.5-2	45.86102	-89.70873	1.25	4.5	Clumps	8.0	Coontail	1.0	Organic/Sand
6/23/2021	20.5-9	45.87830	-89,70943	1.50	6.0	Clumps	9.0	Coontail	1.0	Organic/Sand
6/23/2021	20.5-9	45.87809	-89 70977	1.50	3.0	Clumps	9.0	Coontail	1.0	Organic/Sand
6/23/2021	20.5-9	45.87962	-89,70922	0.67	0.5	Single or Few	9.0	None	0.0	Organic/Sand
6/23/2021	20.5-9	45.87809	-89.70954	0.92	1.0	Single or Few	8.0	None	0.0	Organic/Sand
6/23/2021	20.5-9	45.87882	-89.70807	0.42	0.5	Single or Few	5.0	None	0.0	Organic/Sand
6/24/2021	8.7HD	45.87168	-89.67501	1.33	3.0	Clumps	8.0	Coontail	0.5	Organic/Sand
6/24/2021	8.7HD	45.87172	-89.67563	1.00	1.5	Clumps	8.0	Coontail	0.5	Organic/Sand
6/24/2021	8.7HD	45.87176	-89.67448	1.42	3.0	Clumps	6.0	Coontail	0.5	Organic/Sand
6/24/2021	20.3-2	45.86875	-89.72567	1.08	3.0	Clumps	6.0	Elodea	1.0	Organic/Sand
6/24/2021	20.3-2	45.86875	-89.72567	1.08	1.5	Single or Few	6.0	Elodea	0.5	Organic/Sand
7/2/2021	PG-23	45.86895	-89.69938	2.25	9.0	Scattered	6.0	Elodea	1.0	Organic/Sand
7/2/2021	PG-23	45.86912	-89.69933	1.58	9.0	Clumps	9.0	Elodea	0.5	Organic/Sand
7/2/2021	PG-23	45.86915	-89.69933	1.50	11.0	Clumps	9.0	Elodea	0.5	Organic
7/2/2021	PG-23	45.86915	-89.69933	1.08	9.0	Clumps	8.0	Elodea	0.5	Organic
7/12/2021	PG-23	45.86959	-89.69815	2.33	9.0	Dominant	6.0	Elodea	1.0	Organic/Gravel
7/12/2021	PG-23	45.86959	-89.69815	1.83	7.0	Dominant	6.0	Coontail	1.5	Organic/Gravel
7/12/2021	PG-23	45.86950	-89.69830	2.17	23.0	Dominant	6.0	Elodea	3.0	Organic/Gravel
7/12/2021	19.5-2	45.87612	-89./1/9/	0.83	1.0	Single or Few	5.5	Pondweeds	0.5	Organic
7/12/2021	19.5-2	45.8/612	-89./1/9/	1.1/	b.5	Ciumps	4.5	Pondweeds	0.5	Organic
7/12/2021	19.5-2	45.6/012	-89./1/9/	1.00	5.0	Single or Form	4.0	Pondwoodc	0.5	Organic
7/12/2021	19.5-2	45.87012	-05.71757	1.08	1.5	Small Blant Colony	5.5	Pondweeds	0.5	Organic/Sand
7/12/2021	19.5-2	45.87612	-89.71797	0.33	0.5	Single or Few	5.0	Pondweeds	0.5	Organic/Sand
7/13/2021	19.5-2	45.87609	-89 71 793	1.00	2.5	Single or Few	5.0	Pondweeds	0.0	Organic
7/13/2021	19.5-2	45.87609	-89.71793	1.00	8.0	Highly Scattered	5.5	Pondweeds	0.5	Organic
7/13/2021	19.5-2	45.87609	-89,71793	1.00	8.5	Clumps	5.5	Pondweeds	0.5	Organic
7/13/2021	19.5-2	45.87609	-89.71793	0.75	2.0	Single or Few	5.0	Pondweeds	0.5	Organic
7/13/2021	19.5-2	45.87609	-89.71793	1.67	9.0	Single or Few	4.5	Pondweeds	0.5	Organic
7/13/2021	19.5-2	45.87609	-89.71793	0.75	2.5	Single or Few	5.0	Pondweeds	0.5	Organic
7/14/2021	PG-2	45.87638	-89.71760	1.42	5.0	Scattered	7.0	Pondweeds	0.0	Organic
7/14/2021	PG-2	45.87638	-89.71760	1.08	4.5	Scattered	7.0	Pondweeds	0.0	Organic
7/14/2021	PG-2	45.87638	-89.71760	2.25	5.5	Scattered	7.0	Pondweeds	0.0	Organic
7/15/2021	PG-23	45.86951	-89.69839	0.75	5.5	Dominant	6.0	Elodea	1.0	Organic/Gravel
7/15/2021	PG-23	45.86948	-89.69843	1.08	7.5	Dominant	6.0	Elodea	1.5	Organic/Gravel
7/15/2021	PG-23	45.86948	-89.69843	1.08	14.5	Dominant	6.5	Elodea	1.5	Organic/Gravel
7/15/2021	PG-23	45.86948	-89.69848	0.92	12.0	Dominant	6.0	Elodea	1.5	Organic/Gravel
7/15/2021	PG-23	45.86945	-89.69859	0.92	7.5	Clumps	6.5	Elodea	1.0	Organic/Gravel
7/15/2021	PG-5	45.88653	-89.69337	1.00	7.0	Scattered	10.0	Coontail	1.0	Organic/Sand
7/15/2021	PG-5	45.88668	-89.69398	1.25	7.0	Scattered	8.0	Coontail	1.0	Organic/Sand
7/15/2021	PG-5	45.88668	-89.69398	1.67	8.0	Scattered	8.0	Coontail	1.0	Organic/Sand
7/16/2021	PG-23	45.86037	-89.69872	0.75	10.5	Scattered	8.0	Flodea	2.0	Organic/Gravel
7/16/2021	PG-23	45.86937	-89.69872	0.73	75	Scattered	8.0	Elodea	2.0	Organic/Gravel
7/16/2021	PG-23	45.86937	-89 69872	0.83	12.0	Scattered	8.0	Flodea	4.0	Organic/Gravel
7/16/2021	PG-23	45.86937	-89.69872	1.25	18.0	Scattered	8.0	Flodea	3.0	Organic/Gravel
7/16/2021	PG-23	45.86934	-89.69868	0.58	6.0	Scattered	4.0	Elodea	1.0	Organic/Gravel
7/16/2021	PG-23	45.86922	-89.69901	0.75	7.0	Scattered	6.0	Flodea	2.0	Organic/Gravel
7/16/2021	PG-21	45.85690	-89.74428	2.08	0.5	Single or Few	8.5	None	0.0	Sand
7/16/2021	PG-2	45.87597	-89.71807	2.50	0.5	Highly Scattered	9.0	Northern Milfoil	0.5	Organic
7/16/2021	PG-5	45.88661	-89.69311	2.50	0.5	Single or Few	7.0	Northern Milfoil	0.0	Sand
7/20/2021	20.1-8	45.86506	-89.73867	1.08	0.0	None	5.0	None	0.0	Organic/Sand
7/20/2021	20.1-8	45.86368	-89.73810	0.50	0.0	None	6.0	None	0.0	Organic/Sand
7/20/2021	20.1-8	45.86279	-89.73695	1.25	1.5	Highly Scattered	6.0	Chara	0.5	Organic/Sand
7/20/2021	19.5-1	45.88340	-89.70831	1.17	4.0	Scattered	5.0	Elodea	0.5	Organic/Sand
7/20/2021	19.5-1	45.88340	-89.70831	1.42	3.0	Scattered	6.0	Elodea	0.5	Organic/Sand
7/20/2021	19.5-1	45.88271	-89.70756	0.42	1.5	Scattered	5.5	Elodea	0.5	Organic/Sand
7/21/2021	19.5-1	45.88268	-89.70728	1.33	5.0	Scattered	5.5	Elodea	0.5	Organic/Sand
7/21/2021	19.5-1	45.88268	-89.70728	1.00	2.5	Scattered	5.5	Elodea	0.5	Organic/Sand
7/21/2021	19.5-1	45.88235	-89./0653	1.00	2.0	Scattered	b.U	Liodea	0.5	Organic/Sand
7/21/2021	19.5-1	45.88189	-89.70679	0.75	1.0	Scattered	7.0	Elodea	0.5	Organic
7/21/2021	19.5-1	45.88221	-89.70752	0.42	1.0	Scattered	5.0	None	0.0	Organic
7/21/2021	19.5-1	45.88200	-89.70645	1.00	2.5	Scattored	4.0	Coontail	0.0	Organic/Sand
7/22/2021	8 50	45.87402	-89 67678	0.75	2.5	Scattered	6.0	Chara	0.5	Organic/Sand
7/22/2021	8.5D	45.87492	-89.67628	1.75	4.0	Scattered	6,0	Chara	0.5	Organic/Sand
7/22/2021	8.5D	45.87495	-89.67584	1.08	2.0	Scattered	6.0	Chara	0.5	Organic/Sand
7/22/2021	8.5D	45.87486	-89.67555	0.92	1.0	Highly Scattered	7.0	Elodea	0.5	Organic/Sand
7/22/2021	8.5D	45.87424	-89.67570	1.50	3.0	Scattered	6.0	Elodea	0.5	Organic/Sand
7/26/2021	PG-23	45.86926	-89.69909	2.00	18.0	Clumps	9.0	Elodea	3.0	Organic/Sand
7/26/2021	PG-23	45.86934	-89.69890	1.00	8.5	Clumps	9.0	Elodea	2.0	Organic/Sand
7/26/2021	8.3D	45.87484	-89.67659	1.33	3.0	Scattered	6.0	Elodea	0.5	Organic/Sand
7/26/2021	8.1D	45.87468	-89.67741	1.50	3.0	Scattered	6.0	Elodea	0.5	Organic/Sand
7/26/2021	7.5D	45.87921	-89.68385	0.92	1.5	Scattered	6.0	Northern Milfoil	0.5	Organic/Sand
7/26/2021	7.5D	45.87944	-89.68332	0.50	1.5	Scattered	6.0	Northern Milfoil	0.5	Organic/Sand
7/26/2021	7.3D	45.87958	-89.68243	1.08	6.0	Scattered	5.5	Elodea	0.5	Organic/Sand
7/26/2021	7.3D	45.87992	-89.68168	1.00	2.0	Scattered	5.5	Elodea	0.5	Organic/Sand
7/27/2021	7.3D	45.88002	-89.68160	1.17	1.5	Highly Scattered	6.0	Elodea	0.5	Organic/Sand
7/27/2021	6.40HD	45.86485	-89.70783	1.33	1.5	Scattered	6.0	Elodea	0.5	Organic/Sand
7/27/2021	6.40HD	45.86488	-89.70645	1.33	1.5	Scattered	6.0	Elodea	0.5	Organic/Sand
//2//2021	6.43HD	45.86426	-89.70480	1.50	2.0	Scattered	7.0	Elodea	0.5	Organic/Sand

Dive Detail

MKLPA Dates: 6/21 - 8/20



Date	Dive Location	Latitude	Longitude	Underwater Dive Time (hrs)	AIS Removed (cubic ft)	AIS Density	Avg Water Depth (ft)	Native Species	Native By- Catch	Substrate Type
7/27/2021	6.43HD	45.86404	-89.70322	0.83	2.0	Scattered	7.0	Elodea	0.5	Organic/Sand
7/27/2021	PG-23	45.86920	-89.69918	7.00	17.5	Scattered	7.0	Elodea	2.5	Organic
7/28/2021	PG-23	45.86903	-89.69925	2.08	4.0	Scattered	8.0	Chara	2.5	Organic
7/28/2021	PG-23	45.86903	-89.69925	1.83	4.5	Scattered	7.5	Chara	1.0	Organic
7/28/2021	PG-23	45.86903	-89.69925	1.33	5.0	Scattered	8.0	Chara	3.0	Organic
7/28/2021	PG-23	45.86903	-89.69925	2.08	3.5	Highly Scattered	8.0	Pondweeds	0.0	Organic
7/28/2021	PG-23	45.86903	-89.69925	1.67	3.0	Highly Scattered	7.5	Pondweeds	0.0	Organic
7/28/2021	PG-5	45.88682	-89.69410	1.42	4.0	Clumps	6.0	Elodea	0.5	Organic/Sand
7/29/2021	PG-5	45.88682	-89.69410	1.92	4.0	Clumps	6.0	Elodea	0.0	Organic
7/29/2021	PG-5	45.88670	-89.69428	2.67	2.0	Single or Few	6.0	Elodea	0.5	Organic
7/29/2021	PG-23	45.86903	-89.69925	1.67	2.0	Highly Scattered	8.0	Pondweeds	0.0	Organic
7/29/2021	PG-5	45.88676	-89.69381	4.83	6.0	Scattered	7.0	Pondweeds	0.5	Sand
7/29/2021	PG-23	45.88668	-89.69442	1.83	12.0	Scattered	8.0	Elodea	2.0	Sand
7/30/2021	PG-23	45.86882	-89.69943	2.00	3.5	Highly Scattered	8.0	Pondweeds	0.0	Organic
7/30/2021	PG-23	45.86882	-89.69943	1.75	3.5	Highly Scattered	8.0	Pondweeds	0.0	Organic
7/30/2021	PG-23	45.86895	-89.69933	2.67	4.0	Scattered	9.0	Pondweeds	1.0	Organic
7/30/2021	PG-23	45.86906	-89.69922	1.25	1.5	Scattered	9.5	Chara	0.5	Organic
7/30/2021	PG-23	45.86906	-89.69922	0.83	1.5	Scattered	8.5	Chara	1.5	Organic
7/30/2021	PG-23	45.86906	-89.69922	1.83	3.0	Scattered	9.0	Chara	1.0	Organic
//30/2021	PG-23	45.86906	-89.69922	1.67	2.0	Scattered	8.0	Chara	0.5	Organic
7/30/2021	PG-23	45.86906	-89.69922	0.67	1.0	Scattered	8.5	Chara	0.0	Organic
8/4/2021	PG-5	45.88666	-89.69315	0.33	0.5	Highly Scattered	6.0	Chara	0.5	Organic/Sand
8/4/2021	PG-5	45.88668	-89.69349	0.75	1.0	Scattered	6.0	Chara	0.5	Organic/Sand
8/4/2021	PG-5	45.88670	-89.69363	0.50	1.0	Scattered	6.0	Chara	0.5	Organic/Sand
8/4/2021	PG-2	45.87651	-89./1/24	0.50	1.0	Scattered	0.5	Chara	0.5	Organic/Sand
8/4/2021	PG-2	45.87649	-89./1/45	0.25	1.0	Scattered	b.5	Chara	0.5	Organic/Sand
8/4/2021	PG-2	45.87649	-69.71745	1.25	4.0	Scattered	0.5	Chara	1.0	Organic/Sand
8/4/2021	PG-2	45.87622	-89./1/64	1.33	1.0	Scattered	6.0	Chara	0.5	Organic/Sand
8/4/2021	PG-2	45.8/619	-89./1/92	0.92	1.0	Scattered	5.0	Chara	0.5	Organic/Sand
8/9/2021	PG-5	45.00000	-69.69377	1.42	5.5	Scattered	8.0	Pondweeds	1.0	Organic
8/9/2021	8.1D	45.8/4/4	-89.67715	1.17	1.5	Scattered	7.0	Pondweeds	0.0	Organic
8/9/2021	19.5-2	45.67505	-69.72445	1.55	1.0	Highly Scattered	7.5	Pondweeds	0.0	Organic
8/9/2021	19.3-2	45.67505	-69.72445	0.07	0.5	Highly Scattered	8.U 9 E	Pondwoods	0.0	Organic
8/9/2021	10.3.2	45.87503	-05.72445	0.32	1.0	Highly Scattered	3.5	Pontweeds	0.5	Organic
8/9/2021	19.5-2	45.67505	-69.72445	1.42	1.0	Fighty Scattered	7.5	Flades	0.0	Organic/Sand
8/16/2021	20.8-2	45.87248	-05.00435	1.42	9.0	Scattered	7.0	Elodea	2.3	Organic/Sand
8/16/2021	20.0 2	45.07254	00.69EE4	1.17	10 E	Scattered	7.0	Elodea	2.0	Organic/Sand
8/16/2021	20.8-2	45.87315	-89.68612	1.25	10.5	Scattered	7.0	Elodea	2.3	Organic/Sand
8/16/2021	20.8-2	45.87345	-89.68620	0.75	9.0	Single or Few	7.0	None	2.0	Organic/Sand
8/17/2021	20.0-2	45.86194	-89 73619	0.58	2.5	Single or Few	5.5	None	0.0	Organic/Sand
8/17/2021	20.1-8	45.86164	-89 73570	0.83	3.5	Clumps	5.5	Coontail	0.5	Organic/Sand
8/17/2021	Singles E of 20 1-8	45 86130	-89 73548	0.50	2.0	Single or Few	5.5	Coontail	0.5	Organic/Sand
8/17/2021	Singles E of 20.1-8	45.86120	-89,73530	0.92	2.0	Clumps	5.5	Coontail	0.5	Organic/Sand
8/17/2021	PG-5	45 88669	-89 69365	2.00	4.5	Highly Scattered	7.5	Coontail	0.5	Organic/Sand
8/17/2021	PG-5	45.88676	-89.69402	0.67	1.5	Highly Scattered	7.5	Coontail	0.5	Organic/Sand
8/17/2021	8.1D	45.87466	-89.67738	0.33	0.5	Single or Few	5.0	Coontail	0.5	Organic
8/17/2021	8.2HD	45.87476	-89.67706	0.42	0.5	Single or Few	5.5	Coontail	0.0	Organic
8/18/2021	20.2-8	45.87193	-89.73741	0.50	0.5	Single or Few	5.0	None	0.0	Sand
8/18/2021	20.1-9	45.86579	-89.74113	0.25	0.5	Single or Few	5.5	None	0.0	Organic
8/18/2021	20.1-9	45.86486	-89.74211	0.25	0.5	Single or Few	6.0	None	0.0	Organic
8/18/2021	F-20	45.86906	-89.74849	0.42	0.5	Single or Few	5.5	Elodea	0.5	Organic
8/18/2021	F-20	45.87366	-89.74699	0.25	0.5	Single or Few	5.0	None	0.0	Organic
8/18/2021	F-20	45.87423	-89.74683	0.08	0.5	Single or Few	4.5	None	0.0	Organic/Gravel
8/18/2021	F-20	45.87586	-89.74559	0.08	0.5	Single or Few	5.0	None	0.0	Organic
8/18/2021	F-20	45.87627	-89.74519	0.08	0.5	Single or Few	4.0	None	0.0	Organic/Sand
8/18/2021	F-20	45.87653	-89.74493	0.08	0.5	Single or Few	4.0	None	0.0	Organic
8/18/2021	F-20	45.87779	-89.74394	0.08	0.5	Single or Few	4.0	None	0.5	Organic
8/18/2021	20.3-2	45.86852	-89.72400	0.58	3.0	Clumps	5.0	Elodea	0.5	Organic/Sand
8/18/2021	D-20	45.85676	-89.70682	0.17	0.5	Single or Few	2.5	None	0.0	Organic
8/18/2021	D-20	45.85627	-89.70682	0.08	0.5	Single or Few	2.5	None	0.0	Organic
8/18/2021	D-20	45.85683	-89.70653	0.17	0.5	Single or Few	2.5	None	0.0	Organic
8/18/2021	20.5-6	45.87310	-89.71547	0.08	0.5	Single or Few	5.5	None	0.0	Organic/Sand
8/18/2021	20.5-6	45.87281	-89.71661	0.75	2.0	Clumps	4.0	None	0.0	Organic/Sand
8/18/2021	20.5-6	45.87122	-89.71761	0.08	0.5	Single or Few	6.0	None	0.0	Organic
8/18/2021	20.3-6	45.87073	-89.72497	0.17	0.5	Single or Few	4.0	None	0.0	Organic/Sand
8/18/2021	20.3-6	45.87093	-89.72536	0.17	0.5	Single or Few	3.0	None	0.0	Organic/Sand
8/18/2021	20.3-5	45.87099	-89.72411	0.08	0.5	Single or Few	4.0	None	0.0	Organic/Sand
8/18/2021	20.3-5	45.87149	-89.72405	0.08	0.5	Single or Few	4.0	None	0.0	Organic/Sand
8/18/2021	19.3-1	45.87502	-89.72586	0.17	0.5	Single or Few	6.0	None	0.0	Organic
8/18/2021	19.3-1	45.87511	-89.72599	0.08	0.5	Single or Few	5.5	None	0.0	Organic
8/18/2021	19.3-1	45.87524	-89.72613	0.08	0.5	Single or Few	4.5	None	0.0	Organic
8/18/2021	19.3-1	45.87560	-89.72669	0.08	0.5	Single or Few	5.5	None	0.0	Organic
8/18/2021	19.3-1	45.87585	-89.72714	0.25	0.5	Single or Few	3.5	None	0.0	Organic
8/20/2021	7.2D	45.87892	-89.68072	1.00	6.0	Scattered	6.5	Coontail	2.0	Organic/Sand
8/20/2021	20.7-6	45.87841	-89.68179	0.33	0.5	Single or Few	8.0	None	0.0	Organic/Sand
8/20/2021	20.7-6	45.87807	-89.68107	0.50	0.0	None	6.0	None	0.0	Organic/Sand
8/20/2021	20.7-6	45.8/66/	-89.68064	0.58	1.5	Hignly Scattered	6.0	Elodea	0.5	Organic/Sand
8/20/2021	7.8D	45.88019	-89.69141	0.50	1.0	Hignly Scattered	0.0	Elodea	0.5	Organic/Sand
8/20/2021	20.3-2	45.86882	-89./255/	0.67	6.0	Scattered	4.5	Elodea	2.5	Organic/Sand
8/20/2021	20.3-2	45.86870	-89./2858	0.83	1.5	Hignly Scattered	4.5	Elodea	1.0	Organic/Sand
8/20/2021	20.3-2	43.60610	-09.72406	0.75	0.0	Clumps	7.0	ElOUed	0.5	organic/sand