

**Child, Girl, Woman Lakes Area Association**

**2023**

**Access Site Survey**





**Project Name:**  
CGWLAA Survey Sites

**Resource:**  
Child, Girl, Woman

**County:**  
Cass County

**Watershed:**  
Leech Lake River

Metro:  
1511 Maras Street  
Shakopee, MN 55379

Mapping by: PLM Lake & Land Mgmt.  
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Brainerd:  
2509 Business Highway 371  
Brainerd, MN 56401

## Child, Girl, Woman Lakes Area Association Access Site Monitoring 2023

During the 2023 high use season, PLM Lake and Land Management Corp. conducted two surveys of public boat access sites for the Child, Girl, Woman Lakes Areas Association. Sample dates include June 28<sup>th</sup> and September 5<sup>th</sup> 2023. With the threat of Aquatic Invasive Species throughout the state of Minnesota, these surveys are intended to search areas where the highest likelihood of newly discovered AIS may be found. Additionally, an inventory of all species within the designated search areas were recorded. The following table shows the species observed and their occurrence.

June Survey '23		September Survey '23	
Species	Occurrence	Species	Occurrence
Bladderwort	50.00%	Bladderwort	25.00%
Buttercup	0.00%	Buttercup	0.00%
Chara	100.00%	Chara	100.00%
Clasping Leaf	50.00%	Clasping Leaf	50.00%
Coontail	0.00%	Coontail	25.00%
Curlyleaf	0.00%	Curlyleaf	0.00%
Elodea	50.00%	Elodea	75.00%
Flatstem	100.00%	Flatstem	100.00%
Largeleaf	100.00%	Largeleaf	75.00%
Northern	50.00%	Northern	75.00%
Richardsons	100.00%	Richardsons	100.00%
Robbins	0.00%	Robins	50.00%
Sago	75.00%	Sago	75.00%
Southern Niad	0.00%	Southern Niad	50.00%
Thinleaf	75.00%	Thinleaf	25.00%
Variable Leaf	0.00%	Variable Leaf	0.00%
Water Merigold	0.00%	Water Merigold	25.00%
Water Strargrass	0.00%	Water Stargrass	0.00%
Whitestem	0.00%	Whitestem	0.00%
Wild Celery	50.00%	Wild Celery	100.00%
Arrowhead	0.00%	Arrowhead	25.00%
Bulrush	0.00%	Bulrush	50.00%
Cattails	0.00%	Cattails	75.00%
Duck Potato	0.00%	Duck Potato	0.00%
Purple Loosestrife	0.00%	Purple Loosestrife	25.00%
Wild rice	50.00%	Wild Rice	50.00%
American	50.00%	American	25.00%
Lesser Duck Weed	0.00%	Lesser Duck Weed	0.00%
Spatterdock	50.00%	Spatterdock	50.00%
Water Lily	50.00%	Water Lily	75.00%
Watermeal	0.00%	Watermeal	0.00%



	DEPTH (FT)	BLADDER WORT	Butter Cup	CHARA	CLASPIN G LEAF	COONTAIL	CURLYLE AF	ELODEA	FLATSTEM	LARGELEAF	NORTHERN	RICHARDSONS	ROBBINS	SAGO	SOUTHERN	Thinleaf	Variable Leaf	Water Merigold	WATER STAR GRASS	Whitestem	WILD CELERY	ARROWHEAD	BULRUSH	CATTAILS	DUCK POTATO	PURPLE LOOSE STRIFE	WILD RICE	AMERICAN	LESSER DUCK WEED	Spatterdock	WATER LILY	WATERM EAL	Number of Species
Child	2.0	1	0	1	1	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	12
Woman 4256	3.0	0	0	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6
Woman 4460	5.0	1	0	1	1	0	0	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	12
Girl	4.0	0	0	1	0	0	0	0	1	1	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	10
<b>Total Occurrence:</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>10</b>
<b>Percent Occurrence:</b>		<b>50.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>50.0%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>75.0%</b>	<b>0.0%</b>	<b>75.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>50.0%</b>	<b>0.0%</b>	

**June Site Field Data: 0 = Absent, 1 = Present**

	DEPTH (FT)	BLADDER WORT	Butter Cup	CHARA	CLASPIN G LEAF	COONTAIL	CURLYLE AF	ELODEA	FLATSTEM	LARGELEAF	NORTHERN	RICHARDSONS	ROBBINS	SAGO	SOUTHERN	Thinleaf	Variable Leaf	Water Merigold	WATER STAR GRASS	Whitestem	WILD CELERY	ARROWHEAD	BULRUSH	CATTAILS	DUCK POTATO	PURPLE LOOSE STRIFE	WILD RICE	AMERICAN	LESSER DUCK WEED	Spatterdock	WATER LILY	WATERM EAL	Number of Species
Child	2.0	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1	0	1	0	0	1	1	1	1	0	1	1	1	0	1	1	0	22
Woman 4256	3.0	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5
Woman 4460	5.0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	0	0	1	0	0	0	1	0	14
Girl	4.0	0	0	1	1	0	0	1	1	1	0	1	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	12
<b>Total Occurrence:</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>13.25</b>
<b>Percent Occurrence:</b>		<b>25.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>50.0%</b>	<b>25.0%</b>	<b>0.0%</b>	<b>75.0%</b>	<b>100.0%</b>	<b>75.0%</b>	<b>75.0%</b>	<b>100.0%</b>	<b>50.0%</b>	<b>75.0%</b>	<b>50.0%</b>	<b>25.0%</b>	<b>0.0%</b>	<b>25.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>100.0%</b>	<b>25.0%</b>	<b>50.0%</b>	<b>75.0%</b>	<b>0.0%</b>	<b>25.0%</b>	<b>50.0%</b>	<b>25.0%</b>	<b>0.0%</b>	<b>50.0%</b>	<b>75.0%</b>	<b>0.0%</b>	

**September Site Field Data: 0 = Absent 1 = Present**

**General comments and discussion**

Surveys of public water access sites is a great way to collect taxa of species present while also monitoring for newly introduced aquatic invasive species. With many vectors and various times of movement, it is nearly impossible to inspect every water related piece of equipment entering or leaving the area. Therefore, this type of survey may help identify any new invasions in or near its infancy. If an unwanted species were to be introduced, a rapid delineation and treatment response may be one way to help reduce spread of aquatic invasive species within the lake or connected lakes. This survey and others similar are evidence of how important it is to search often and report suspicious plants and animals. The Child, Girl and Woman Lakes appear healthy and support many different and thriving native species, with the exception of Girl Lake and a very small Eurasian Water Milfoil infestation within a separate area of the waterbody. Water clarity was favorable and conducive for surveying. It is PLM’s recommendation that the Child, Girl Woman Lakes Area Association continue educating residents of the lakes and guests to the area about the importance of maintaining clean and dry equipment to help mitigate the spread of invasive species and to continue surveying the areas of greatest concern

