Green Lake Weed Presentation

Meeting Notes

**PRESENTATION 1**

Chad Hadler @ Lake Restoration

VP, contact him directly

Cell: 612-750-9587

Desk: 763-428-9777 Ext. 105

Email: Chad@lakerestoration.com

* Located in Rogers
	+ Help independent lake homeowners
* Offerings:
	+ Pond weed and algae control service
	+ Aquatic herbicides for individual use
	+ Lakemaid for automatic weed control
	+ Goose D-Fence for goose control
	+ Decorative fountains
* Experience:
	+ 3 trained crews
	+ Treated over 1,000 acres in 2019
	+ Treated over 600 acres for just Curlyleaf Pondweed
	+ 7 lake treatment boats
	+ 1 inspection boat
* Application Technique:
	+ GPS navigation for accurate placement of treatment
	+ Microprocessor w/ valves to adjust flow

**Curlyleaf Pondweed Lifecycle:**

Winter = Dormant

Fall = Emergence

Spring = Growth

Late Spring/Early Summer = Reproduction

Summer = Matures & Dies

\*\*Can lay dormant for 5-7 years before sprouting – waiting for perfect environmental conditions

Increasing Effectiveness of Treatments:

*(specific to Green Lake’s treatment history)*

The North part of the lake didn’t take the treatments as well for Milfoil and Curlyleaf Pondweed

* Could be because:
	+ Plant height
	+ Concentration exposure time: how much product, what’s the biomass vs. the treatment amount

Also Treats:

Eurasian Watermilfoil

* Treatments occurs after the water temperatures are above 60 degrees

Stary Stonewart

**PRESENTATION 2**

Mike O’Connell @ Lake Management

Phone: 651-433-3283

Email: mike@lakemanagementinc.com

Located at Marine on St. Croix, Minnesota near Forest Lake

Treatment Options:

* Residential & commercial offerings
* Euarasion Water Milfoil
	+ Procellacore – practically nontoxic to mammals and fish
		- Used in small amounts
		- Aborbs quickly in to the plants + less contact times
		- Provides a 3-year guarantee of control with a location of 3 acres or more in size
	+ Fluridone – works for Eurasion Water Milfoil + Curlyleaf Pondweed
		- 4-6 parts per billion
		- Target the entire lake
		- Can be selective in your treatment/control
		- Most expensive product
	+ Diquad?
		- Coontail-specific
		- Would take quite a bit of product that the DNR may not allow

**PRESENTATION 3**

Rob Olson @ Clark

Based out of Clearwater MN – global company

Cell: 952-715-2159

Desk: 320-558-9005

Email: rolson@clarke.com

Residential & commercial offerings

Specializes in:

* Aquatic services & mosquito control

Offerings:

* Equipment
* Technology
* Residential comfort packs
* Lake association assistance
* Will help reach out and collect grant money

3-Step Process:

* Assessment
* Implementation
* Monitoring

The Conserve System:

Precision Aquatic System

* 1) Mapping – tracks treatment area & collects precision point data of plants
	+ Utilizes BioBase – eyes underwater, use it to compare changes trip over trip, season to season and year over year
* 2) Apply – adjust rate to speed of boat, handle varying product rates, automatic system
* 3) Place – treats below water to improve accuracy and efficiency
* 4) Plus – GPS driven, data capture, record and reporting
* Their boats treat below the ground and not directly in the water

Curlyleaf Pondweed

* Aquathol K – parts per million vary based on density

Eurasion Watermilfoil

* 2,4-D
* Procellacore

**PRESENTATION 4**

Dan @ LIMNOPRO

Phone: 320-342-2210

Email: dan@limnopro.com

St. Cloud, MN

Offerings:

* Aquatic plant survey
* Lake management plans
* Weed control & treatments (chemical and mechanical)
* Residential & lake association

Main goal:

* Try to get to the cause of the weeds in your lake (figure out the problem and diagnose)
	+ Nutrient budgets
		- Nutrients are controlling algae/clarity – mitigating the nutrients that are fostering what you don’t want
	+ Historical plants
	+ Considering fish community and microscopic critters in lake
	+ Clear up the lake with the nuisance weeds, so we can get good weeds in the water the foster good weeds with deep roots to control the phosphorus
* Works directly with DNR