

# AQUATIC PLANT MANAGEMENT PERMITTING AND COORDINATION

KEEGAN LUND

MAY 19<sup>TH</sup>, 2016

CHISAGO AND WASHINGTON LAKES MEETING  
SCANDIA COMMUNITY CENTER



# GOALS OF APM THE PROGRAM

**Balance the reasonable need for a riparian land owner to gain access and use public waters with the need to protect the integrity and value of the aquatic plant community.**

# WHERE DOES THE DNR'S AUTHORITY TO REGULATE AQUATIC PLANTS COME FROM?



# MINNESOTA STATUTES SECTION 84.091

## UNDER MINNESOTA LAW,

plants growing in *public waters*,  
are the property of the state.

because of their value to a lake,  
they may not be destroyed or  
transplanted unless authorized by  
the commissioner of the dnr



# VALUE OF AQUATIC PLANTS IN OUR WATERS:

- **WATER QUALITY & CLARITY**
- **SHORELAND STABILIZATION**
- **NATURAL HABITAT**
- **AESTHETIC AND ECONOMIC**





BUT I STILL HAVE A PLANT "PROBLEM".

WHAT CAN I DO TO CONTROL  
UNWANTED, NUISANCE  
VEGETATION?



# DO NOT NEED A PERMIT:

- 1. Mechanical control of a channel through water lilies that is 15' or less**
- 2. Mechanical control submerged plants that is 50' or  $\frac{1}{2}$  the frontage (whichever is less) and the total area does not exceed 2,500 sq ft**
- 3. Skimming filamentous algae or duckweed**

# IAPM V. APM PERMIT

	IAPM	APM
What type of control?	Invasive plant species (CLP, EWM, FR, PLS)	Invasive (nearshore only), native plant species, algae, swimmer's, duckweed
Who applies?	Lake Association, LGU, etc. (one application)	Individual shore land owners (multi)
Where?	Offshore (>150 feet from shore) and continuous blocks nearshore	Nearshore (<150 feet from shore) and offshore (except invasive)
When?	Apply each season (1 year permit)	One time permit
Method of control?	Mechanical, chemical	Mechanical, chemical
Limitations?	Mechanical (50% littoral), Chemical (15% littoral)	Mechanical (> 15ft wide channel or > 50x50' area), Chemical (15ft wide channel, 50x50' area)
Application fee?	No	Yes



# NEED APM PERMIT:

1. Any CHEMICAL control of aquatic plants in Public Waters
2. Any removal of emergent vegetation (except purple loosestrife – invasive plant)
3. Mechanical control of WL that exceeds a 15' channel
4. Mechanical control exceeding 2,500 sq ft
5. Transplanting/planting native plants (no fee)



## NEED IAPM PERMIT:

1. **Chemical or mechanical removal of large contiguous blocks of invasive aquatic plants**
2. **Area can be both near-shore and off-shore**
3. **ONLY invasive plants such as Eurasian watermilfoil and curly-leaf pondweed permitted**



# PERMIT PROCESS:

- 1. Create treatment plan, call licensed herbicide applicators (unless self-treating), estimates, etc.**
- 2. Complete/submit APM or IAPM application (with fee if applicable)**
- 3. If IAPM permit – map nuisance invasive plants & complete control grant if interested**
- 4. WAIT as permit is processed and/or site is inspected**
- 5. Once permit is received treatment can occur**
- 6. If permit is denied there is an appeal process**



# PERMIT CONSIDERATIONS:

- **Nuisance levels?**
- **Recreational use?**
- **Emergent plants or water lilies present?**
  - Reduced area
  - 50x50 area for lilies
  - 15' channel or current opening for emergent
  - APM does not permit weedrollers in soft sediment (>3")



# POTENTIAL APM VIOLATIONS

- **Unpermitted Cattail Cutting**
- **Sand blanket or riprap covering emergent vegetation**





# POTENTIAL APM VIOLATIONS

- **Unpermitted Weedrollers**
- **Any chemical treatment in public waters without a permit**
- **Large removal of WL.**
- **Yellow and curled WL are indicative of chemically treatment.**





# OTHER POTENTIAL DNR VIOLATIONS:

- **In-fill below OHW**
- **Sand blankets > 50'**
- **Excessive riprap and retaining walls**



# THANK YOU & QUESTIONS

Keegan Lund: 651-259-5828

