

AQUATIC PLANT MANAGEMENT HARVESTING PLAN WORKSHEET

Statement of Harvesting goals and objectives. Include a statement regarding the state wetland rule NR 103.

The objective of the harvesting program is to provide navigation channels between lake basins for all lake users and to provide navigation access and nuisance relief for riparian landowners.

I – Baseline Information

- a) List the lakes physical characteristics and include a hydrographic map of the lake if available.

See Section 2.1 and Figures 2.3a – 3c.

- b) Outline on the map the areas of developed and undeveloped shoreline.

See Figure 9.

- c) List all aquatic plant species and their distribution in areas you wish to manage.

Aquatic plants present in management areas are listed on Table 4.

- d) Describe the fishery in the lake and its' importance to the surrounding community. Also describe wildlife and waterfowl use of the lake.

Legend Lake offers fishing opportunities for panfish, bass, northern pike, muskellunge, and walleye. Wildlife and waterfowl use the lake and feed on the diverse aquatic plants within Legend Lake.

- e) Identify and discuss other recreational activities including swimming and pleasure boating. Indicate on the map where public access and other public recreational facilities are located.

Lake users also enjoy swimming and pleasure boating on Legend Lake. Ski boats, pontoon boats, paddle boats, and canoes are all used on Legend Lake. Figure 9 illustrates public access points on Legend Lake.

- f) Describe, and locate on the map, any private recreational areas such as campgrounds, resorts, etc.

Groups of off-shore landowners collectively own "beach club" properties where they can have swimming access. These private beach clubs are located on Figure 9.

- g) List any local ordinances which effect public use of the lake.

The following local ordinances are in place that affect public use on the lake.

- ▲ Slow no wake areas in channels
- ▲ No-phosphorus fertilizers allowed on District properties

II – History of Aquatic Plant Problems

- a) Describe how aquatic vegetation presently restricts recreational uses and document specific instances.

Dense aquatic macrophyte growth restricts boat navigation, particularly in channels between lake basins and the long “fingers” of Legend Lake that provide lake residents access to the larger basins of Legend Lake.

- b) Describe past and present efforts to control aquatic vegetation. Include dates, types, and amounts of aquatic herbicides used. Describe previous harvesting efforts including areas and amounts of vegetation harvested, etc. Discuss the results of these efforts.

In the past, harvesting has been used to control nuisance aquatic vegetation. The District harvesting operation has provided adequate navigation access for boat navigation, however, dense EWM stands have required repeated harvesting efforts. One chemical treatment of 50 acres of EWM was completed in June 2004. This effort resulted in good reduction in EWM density.

- c) Discuss any alternative methods for aquatic plant management.

The District promotes hand-pulling or raking for pier or swim raft access. The District also works with the Menominee Tribe of Wisconsin to chemically treat EWM.

III – Aquatic Plant Harvesting Proposal

- a) Indicated on a map of the lake:
- areas where aquatic plants restrict use – Figure 10
 - areas of native plant beds and sensitive areas – Figure 8
 - open water areas – Figure 3a – 3c: (areas greater than 15 ft. in depth)
 - areas to be harvested – areas highlighted on Figure 10
 - areas that will not be harvested – areas not highlighted on Figure 10
- b) To what depth will aquatic plants be cut and how will plant fragments and floating plants be harvested. How will plant fragments be harvested along the shore?
- Aquatic plants will be harvested to half the water column depth. When possible, the harvesters will operate into the wind to reduce the amount of fragments not collected. Floating mats of aquatic invasive species such as EWM will be collected to the maximum extent practicable.
- c) Describe where marker buoys will be used (if needed) to direct harvesting and/or boat traffic in lanes.
- Buoys are used to notify boaters where to navigate in channels between lake basins.

- d) List, and locate on the map, the off loading site(s) and describe how they will be managed.

Figure 10

- e) Describe how the harvested plants will be disposed of.

Aquatic plants are disposed (District please complete)

- f) Detail any extra precautions which will be taken to protect fish, turtles, and sensitive areas.

Harvesting is not allowed in sensitive areas. Harvesting operations protect fish and wildlife by only harvesting half the water column depth and do not operate the harvester in less than 2 feet of water. Harvesters do not engage the sediments. If sediments are encountered, the cutter head is raised immediately.

- g) Describe how the public will be informed of the harvesting, and any educational efforts.

The public will be educated on the overall APM Plan by the public meeting held in 2004 to discuss the management of aquatic plants. An article in the District newsletter will announce when the APM Plan is completed and that the public may view a copy at the Legend Lake Lodge.

- h) Outline a harvesting schedule by day and month, including the number of hours to be spent harvesting.

District please complete.

IV – Equipment Needs and Operation

- a) Outline equipment needs and projected total cost.

District please complete.

- b) Describe the maintenance schedule, storage needs, and their cost.

District please complete.

- c) Describe insurance coverage.

District please complete.

- d) Identify who will run operations (volunteers or paid employees) and describe operator training and supervision.

District please complete.

V – Evaluation and Monitoring

- a) Describe method of daily record keeping. Records that should be kept include: work effort, estimated daily harvest in loads and tons, and an estimate of taxes harvested by percent.

See attached Daily Record Log

- b) Describe how daily maintenance and service records for equipment will be kept.

See attached Daily Record Log