PINE LAKE WEED COMMITTEE PROPOSAL

As everyone is aware, there has been a lot of leg work, investigation and due diligence in exploring various types of weed control for our lake.

Bottom Vacuuming – this procedure is time consuming, costly –as divers need to be contracted with special equipment to suck out the roots of plants off the lake floor. Then there is the added cost of disposing of the sludge and waste that is produced.

Harvesting – this procedure encompasses the cost of a harvester, someone to put man hours on it, and again the added cost of disposal of the waste that is produced. It also provides a "brush cut", does not get to the roots of the milfoil and is not plant specific. Therefore, while harvesting milfoil, the native plants are also going to be harvested. It will take out invertebrates and anything that is in the weed beds as it is harvesting. Also this procedure allows milfoil breakage to travel throughout the surrounding areas.

Weevils – although this is a highly preferred method among many, they need to be planted on a yearly basis in vegetation areas that will not be disturbed. Rebecca from Enviroscience spend an afternoon on the lake with us and at the end of our survey – stated that, because of the lake's contours and where the milfoil is highly concentrated (at and near the docks and shorelines of homes, where there is a lot of traffic), the weevil option is not a viable one and does not recommend it. Please see attached letter.

Nature – allowing the lake to continue as it is and do nothing...we have seen that doing nothing for the last 5 years has brought us to this point and will continue to increase the milfoil if nothing is done.

Sonar – Sonar can be applied up to 150 parts per billion in a lake in a given year. It is approved for drinking water reservoirs at a rate of approximately 20 ppb. The effective rate of Sonar on Eurasion Milfoil is 6 ppb, which is far below the above standards. At this rate Sonar

effectively targets Eurasion Milfoil and does not harm the native species in the lake. Sonar is applied early in the year when the milfoil has already started its growth but prior to the initiation of native plant growth and will take approximately 8-10 weeks for effectiveness. Several of the lakes around us are being treated in just such a manner and they have stated that they are very happy with the results they have gotten. There have been no fish or plant kills or any ill effects from the treatments where humans and animals are concerned. These lakes have been being treated anywhere from 4 – 10+ years... Gun Lake, Crooked Lake/Delton, Wall Lake, Lake Doster, Guernsey, Fine Lake, Lake 21, and others.

PROPOSAL: Based on the above, the committee is proposing that the lake be treated by PLM using the application of Sonar in the first year, following up with appropriate treatment for the next 4 years. This program is a 5 year program with total cost on the highest side of $219,890.00 for the entirety of the treatment plan. Broken down between 5 years and the parcels on the lake, the cost per year per parcel owner would be approximately $75-80.00 that would be attached to the tax bill for the next 5 years. Once this is approved, there will not be an increase, the amount will remain the same each year.

We understand that there will never be an eradication of the milfoil, but if we start getting it under control and contemplate a "Phase 2" (possible launch site control/prevention) we believe we can get the lake back to where it was several years ago. A place where everyone can enjoy it and get in and out of their property without struggling with invading weeds.

Thank you,
Weed Control Committee