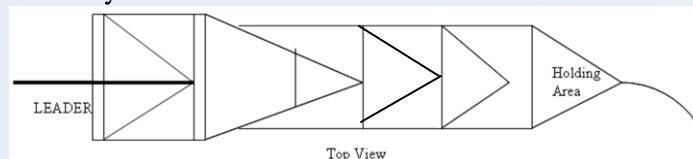


Fish Management & Structure

Fishery Management

- On-site consultations with a WLPR fisheries biologist to develop the criteria for supporting a quality fishery
- Provide stocking recommendations for both new stockings and supplemental stockings
- Fish surveys including age structure and population estimates can be performed in most lakes and ponds
- Removal of undesired or stunted fish can be performed selectively with fyke nets and traps (see illustration below). Complete removal or eradicate all fish species can be performed with the chemical Rotenone
- Dissolved oxygen and water quality monitoring in both winter and summer
- Habitat and structure design and installation

Fyke Net Detail



Benefits of fish structure additions

Structure can be anything from overturned wash baskets or stacked pallets, to sunken Christmas trees. Almost anything you can think of will help. The pictures shown here are various other fish cribs Wisconsin Lake & Pond Resource sells.

Natural Wood Cribs

- Provides woody hard surfaced spawning structure for many common fish species
- Provides needed structure (habitat) to help keep your fishery in balance
- Increases growth rates of predator fish
- Increases the overall fish carrying capacity of your water body

Honey Hole Shrub™

- Premium series fish habitat
- Polydome with 84 polyethylene limbs at 26" each
- Promotes survival of juvenile fish
- Provides a dense 32" tall x 6' wide area of cover

Honey Hole Tree™

- Poly cone with 93 polyethylene limbs at 3' each
- Fish through without worry of snagging limbs
- Provides a large 6' x 7' wide area of cover
- Can easily be suspended at any depth



Many other types of structure available upon request

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Serving all of Wisconsin, Northern Illinois and the Upper Peninsula of Michigan

Aeration

Natural ponds get much of their oxygen from the atmosphere. However, as often is the case with artificial ponds, this process - called **ATMOSPHERIC DIFFUSION** - is insufficient to achieve optimally desirable levels of oxygen. This often results in stagnation associated with algal blooms, unpleasant odors, low water quality and possible fish kills. By artificially introducing diffused air into a pond or lake, a number of benefits can be achieved. These include:

- Improved water quality and clarity
- Reduced algae growth
- Prevention of fish kills
- Improved health of fish
- Elimination of foul tastes and odors
- Reduction of organic sediment
- Improved aesthetics



Pictures depict Winter Aeration

Before Aeration System

Algae blooms block sunlight & excrete toxins

Only a thin layer of oxygenated water is suitable for fish life.

Dead matter settles to the bottom and decay forming a septic like sludge

Bottom water has no oxygen and is loaded with toxic gas solutions from decaying matter

Bottom water not able to support fish life

Fish can only try to catch food on it's way to the bottom

After Aeration System

The air induced circulation removes toxic gasses from the bottom water.

Circulated oxygen enables benthic organisms and fish to live on bottom

Fish feed on benthic organisms

Fish are healthier from natural foods, abundant oxygen, lack of toxin, lack of disease organisms

Benthic organisms feed on dead plants & fish droppings, animal matter.

One of the most common and arguably the most effective ways to artificially introduce oxygen into a waterbody is through a **DIFFUSED-AIR AERATION SYSTEM**. In a system of this type, a compressor stationed on shore pumps air through hoses connected to diffusers placed near the bottom of the lake or pond. These diffusers are manufactured with permeable membranes which emit fine bubbles intended to maximize oxygen transfer. The rising air bubbles not only increase the diffusion of oxygen into the water, but also increase the rates of circulation, aerating large amounts of water. By evenly spacing the diffusers throughout the system, the entire lake or pond will become aerated within a short time period.