



Patented

**BIO-HEALTH**   
**POD SYSTEMS**

By  **RIGERO**

# CEDAR LAKE



## Introduction

### About Rigerro LLC

- Established in 2016
- Based in Plymouth, MI
- Developed and patented Bio-Health Pods Systems to solve the core issue facing most every lake and pond.

### Team RIGERO



500+ BHPs

100+ Lakes

250+ Ponds

Campgrounds

Private Ponds

HOAs

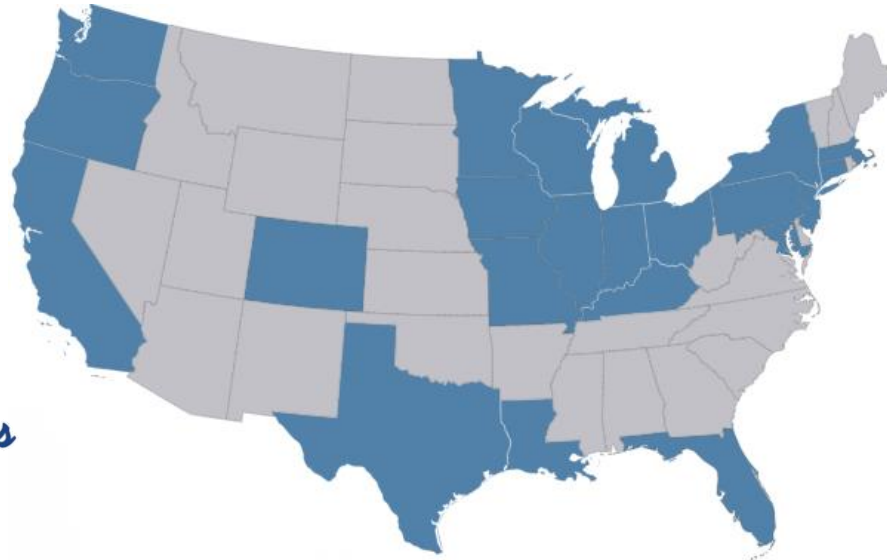
Agriculture

Marinas

Golf Ponds

Government

Lakes





- Approved by EGLE
- All Natural
- Simple Notification Process (No Permitting)
- No Fees



# BIO-HEALTH POD SYSTEMS



# Patented Bio-Aeration

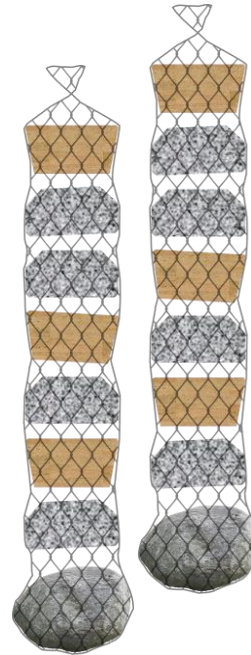
HOST → GROW → DISTRIBUTE

Typical Aeration + Bacteria Applications Fall Short

Work continuously, 24-7 producing billions of beneficial bacteria microbes that consume & digest nutrients



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Bio-Health Pod  
Beneficial Bacteria Grow  
Factory

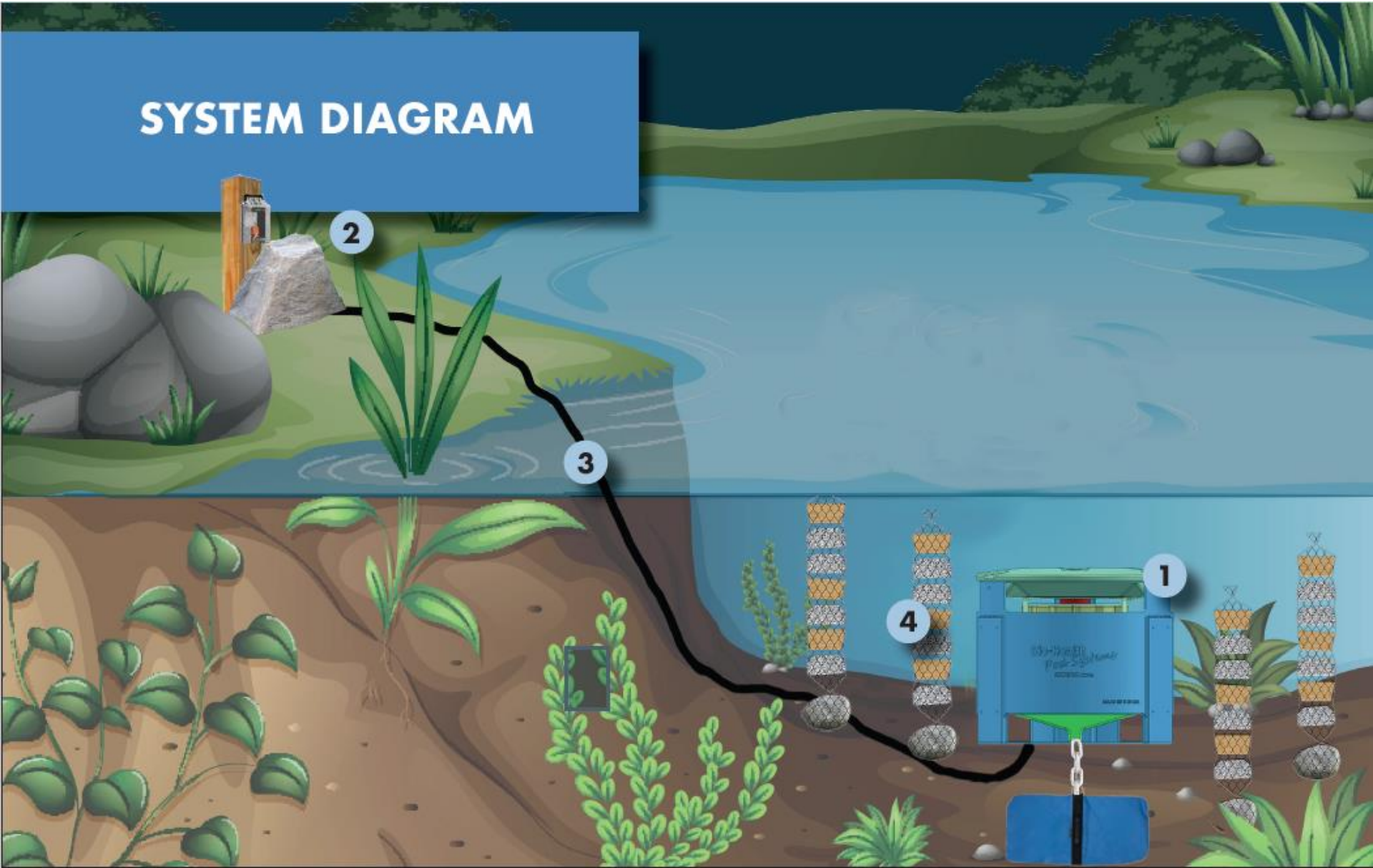
Nano Pods  
Beneficial Bacteria  
Grow Hubs

Continuous 24-7  
powerful treatment



# BIO-HEALTH POD SYSTEMS

## SYSTEM DIAGRAM





## COMPONENT RATIOS & PLACEMENT

### EXAMPLE:

$\frac{3}{4}$  ACRE POND  
720' perimeter

### Requirements:

1- Bio- Health Pod  
30 Nano Pods



### Pump:

Position near  
110 volt outlet

Purchase additional  
air hose if desired

### Air Hose:

Keep away from  
deeper areas

### Nano Pods:

Spacing is every 25' around  
the edge of pond.

### Bio-Health Pod

4' to 5' depth

5+'

4' to 5'

2 to 4'

0' to 2'

**Electrical cost is appx. \$60 per season.**



# POND ALGAE MANAGEMENT

Article posted on Canton Township website

<https://www.canton-mi.org/147/Parks>



**BEFORE**

**AFTER**

Addressing increased algae levels remains a continuous struggle for the Canton Parks division. Several residents have inquired what treatment protocols are being implemented. The good news is that Canton has obtained great results by using underwater pond aerators and bacteria pods as part of a pilot project last year at Pheasant Run Golf Club to combat algae growth without the use of chemicals.

Based on these successful results as illustrated in the attached photo, the program has been expanded to include the ponds at Heritage Park. This dual approach is effective since it adds 'healthy' bacteria into a body of water that consumes the muck at the bottom of the pond. If left uncontrolled, the more muck in a pond means increased levels of algae, since algae feeds off of this muck. In the past, Canton has had limited...

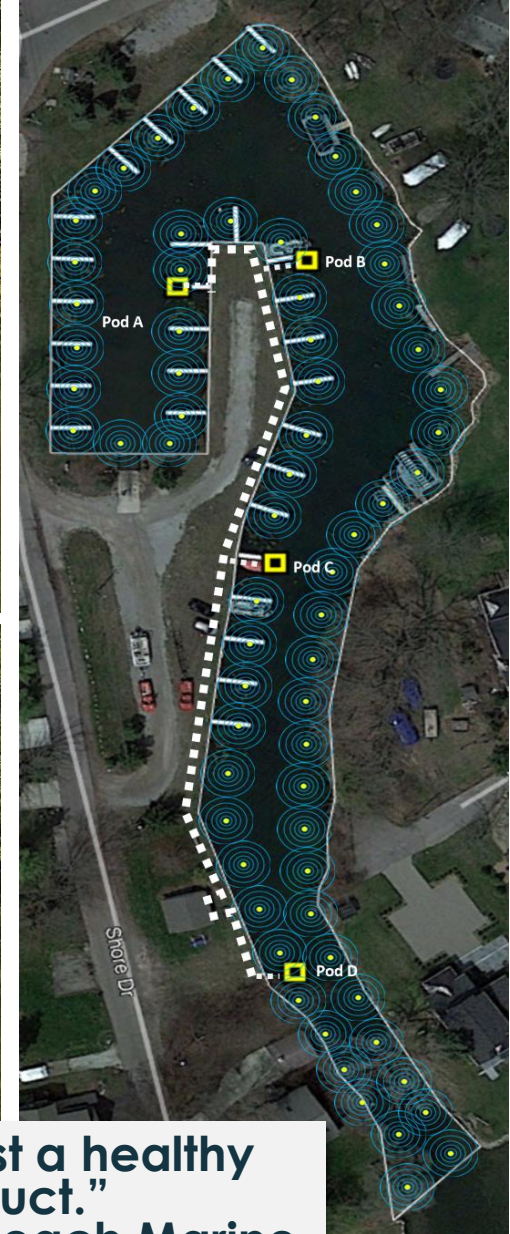
# Shady Beach Marine– Orchard Lake, MI

Marinas

**BEFORE**



**AFTER**



**“The algae was terrible, now it’s just a healthy ecosystem, all thanks to your product.”**  
**Brad Filips - Past Pres., Shady Beach Marine**

**BEFORE**



**AFTER**



# Woodland Lake, Brighton MI

## Lakefront Transformation Muck & Lily Pad Reduction



**BEFORE**



**AFTER**

**“We have next to zero noticeable lily pads and very few weeds! I would recommend the system to anyone who has muck and/or excess lake weeds.”**

**Dave Buckenberger  
Lakefront Homeowner**

# Indian Trails Campground 18 Acre Lake & 1 Acre Pond



**BAD FOR BUSINESS**

**TRANSFORMATION**

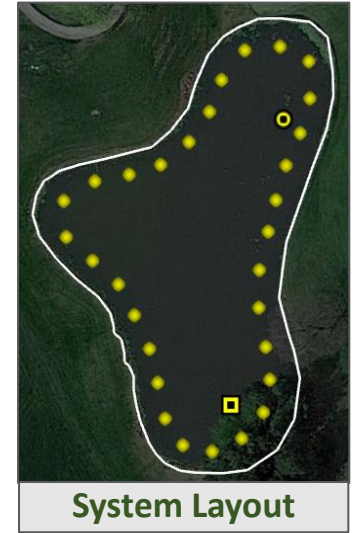


**HAPPY CAMPERS**

# Northville Pond Restoration in Progress



# Irrigation Pond Barton Hills Country Club - Ann Arbor MI



# HOA Dredging Alternative

- Dredging Bids \$300K and Up
- Permitting Difficult
- Muck Disposal Difficult

## Details

1.3 Acres

850 ft Perimeter

## Equipment

3 Bio-Health Pods

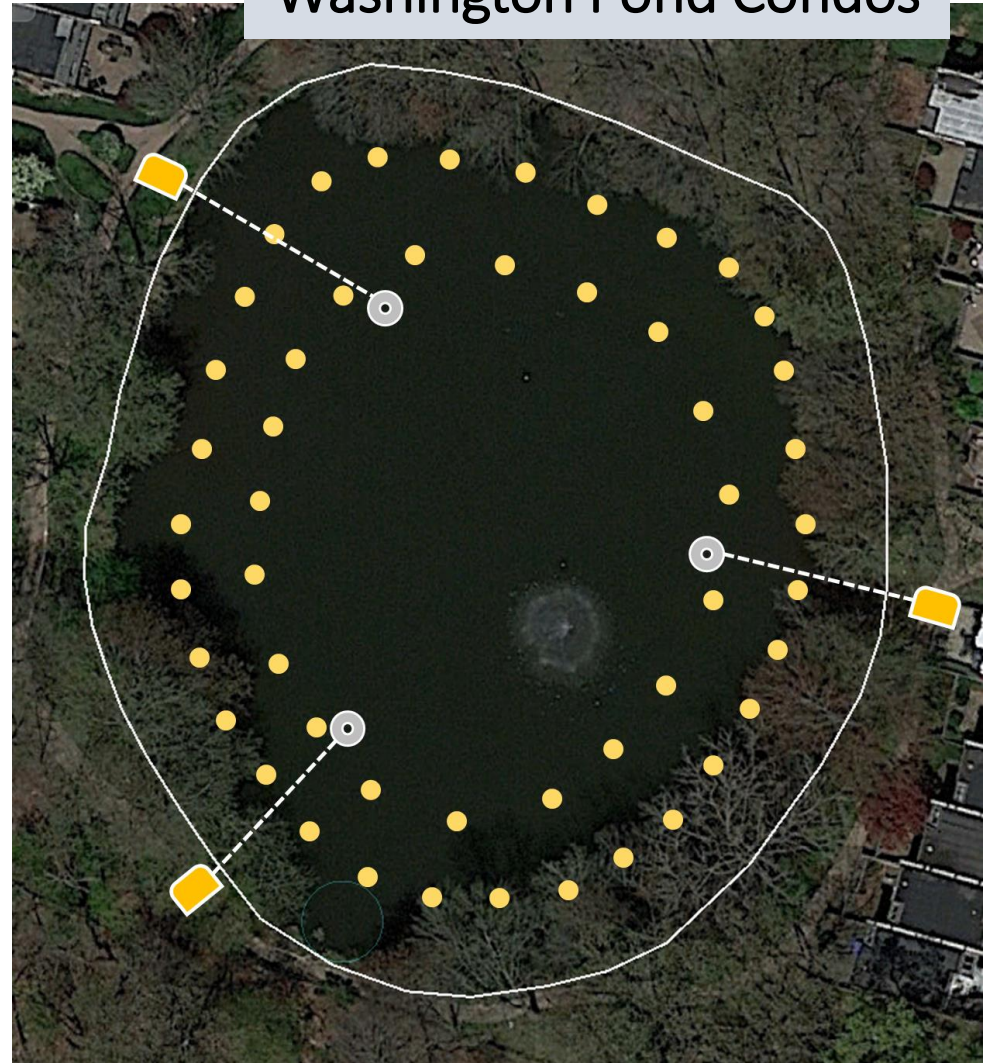
50 Nano Pods

300 Ft Air Hose



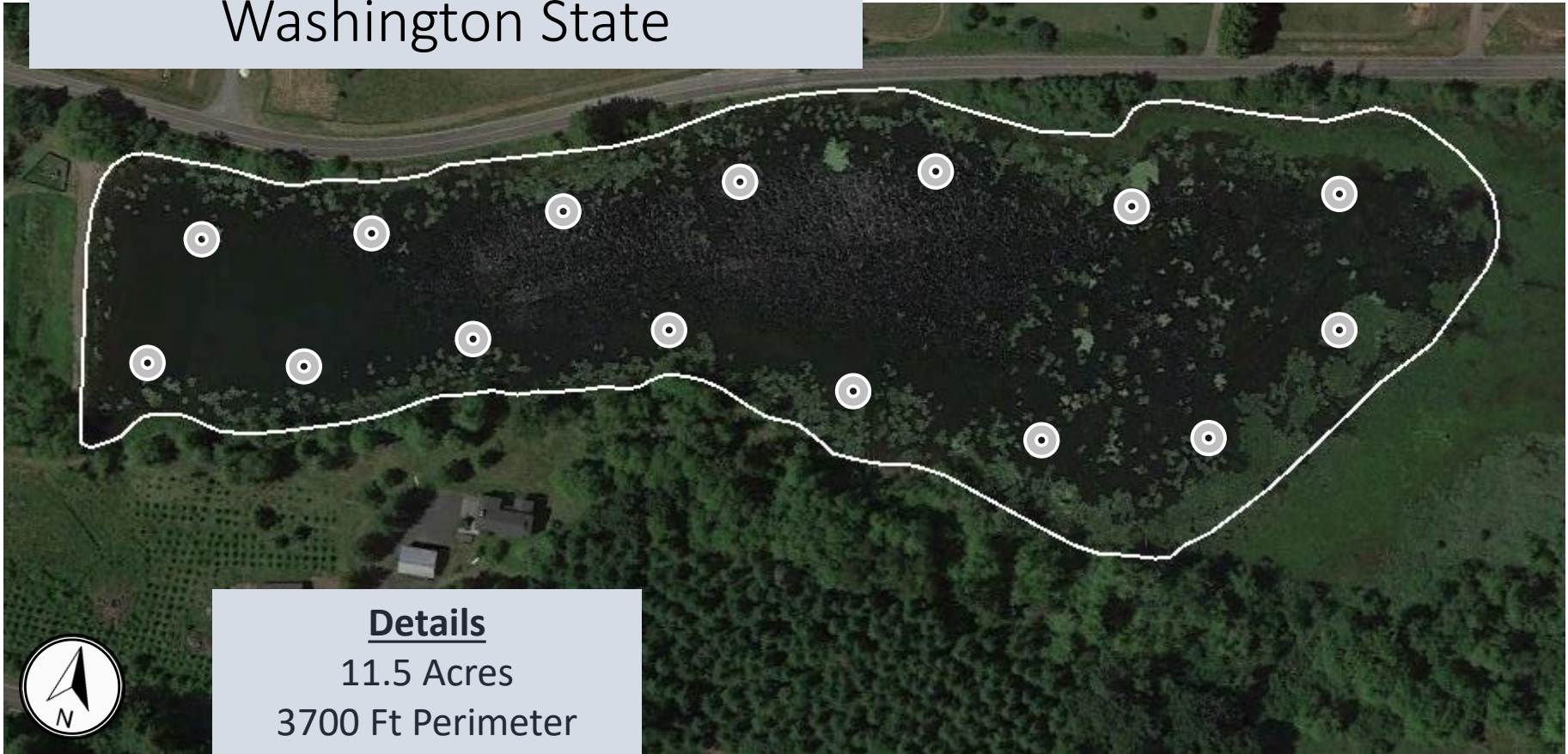
Condo Development

Washington Pond Condos





# Organic Farm Irrigation Pond Chemicals Not An Option Washington State



## Details

11.5 Acres

3700 Ft Perimeter

## Equipment

15 Bio-Health Pods

250 Nano Pods

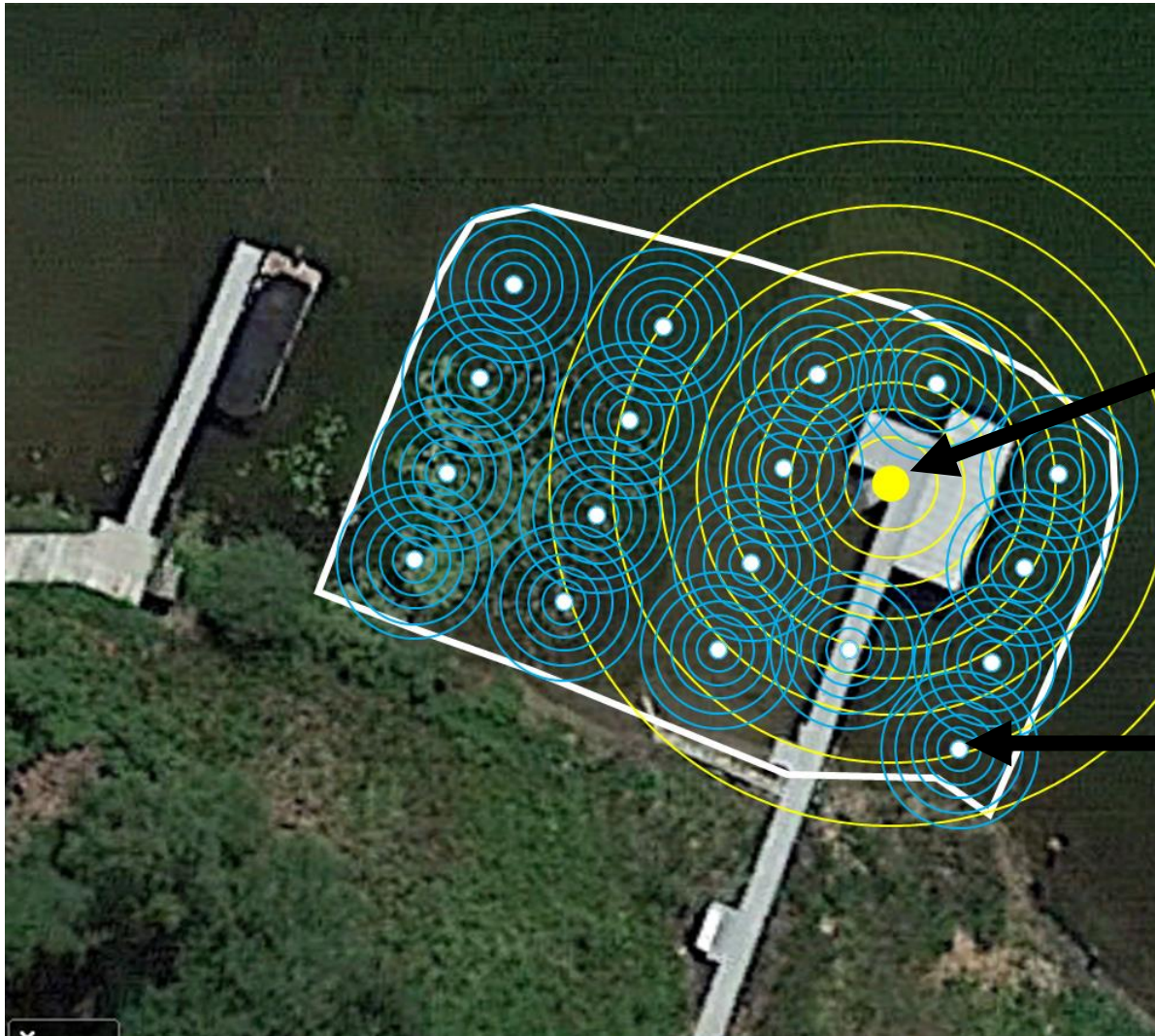
2500 Ft Air Hose

## Key

⊙ Bio-Health Pod

# Lakefront Installation

At Crooked Lake in Brighton, Michigan  
Providing Full & Continuous Coverage



## Bio-Health Pod

Beneficial bacteria producing  
powerhouse and aerator  
located under the dock

## Nano Pods

Beneficial bacteria grow hubs  
that make sure the entire  
treatment is covered

# The Benefits of Nutrient Management

## Nutrient Reductions

- Reduce Muck
- Reduce nutrients levels in the water column (phosphorus & nitrogen)

## The Effects of Nutrient Reduction

- Increase Depth & Volume
- Decrease Water Temps
- Take away habitat for **excessive** aquatic plants
  - Emergent
  - Submergent
  - Algae
- Promotes Healthy Aquatic Eco-Systems
  - Increases Dissolved Oxygen
  - Reduce Pathogens