

CAPABILITY STATEMENT



Hydralife Solutions, Inc.

Hydralife Solutions Inc. produces concentrated live beneficial phytoplankton, a biological solution that promotes naturally healthy lakes by improving water chemistry, developing food chains and increasing dissolved oxygen. This deters harmful algal blooms (HABs) and restores impaired waters by consuming the nutrients that fuel toxic cyanobacteria through beneficial phytoplankton with high uptake rates of Nitrogen (N) and phosphorus (P). Our capabilities directly support federal water-quality, ecosystem-restoration, and agricultural-conservation mission areas including those of EPA, USDA NRCS, U.S. Army Corps of Engineers, NOAA, USGS, NPS, BLM, and military installation environmental offices.

Competencies

- Biological remediation of nutrient-impaired lakes, ponds, reservoirs, and stormwater impoundments
- Natural and sustainable harmful algal bloom prevention through competitive exclusion without copper- or peroxide-based algaecides
- Modular photobioreactor production capacity supporting scalable, multi-site federal contract requirements
- Agricultural soil biostimulant application for irrigation ponds and crop microbiome support

Differentiators

Hydralife resolves harmful algal blooms at the source by deploying live concentrated phytoplankton that outcompetes algae through direct nutrient consumption, satisfying federal preference for nature-based solutions under the Harmful Algal Bloom and Hypoxia Research and Control Act. Our solution also promotes lake productivity and abundant, self-sustaining ecosystems. Overnight-shipped from our Denver facility, the product self-propagates once established, carries no copper, peroxide, or biomass decay liability, and is suited to drinking-water, recreational, and agricultural settings where chemical residues are restricted. Our founder-led, modular multi-species photobioreactor scales to multi-site federal awards, delivering continuous nutrient drawdown and long-term ecosystem rebalancing rather than the recurring cost of chemical retreatment.

Contact

Ryan Philipsborn, Founder

Phone: 773-746-9171

rphilipsborn@hydralifesolutions.com

Company Information

Established: January 2024

CAGE Code: 1Z3G6

UEI: ZG53VYPVNYU3

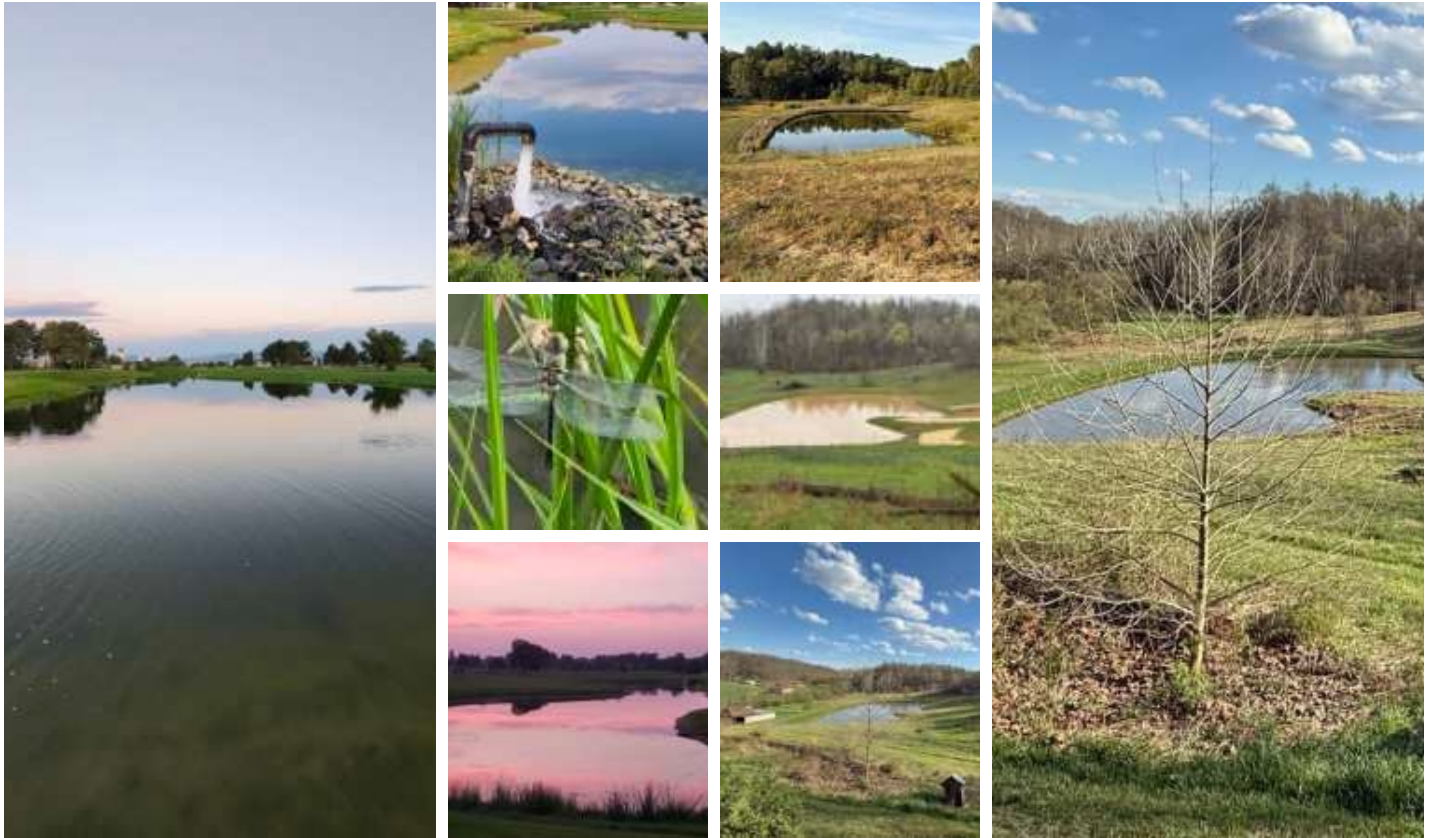
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NAICS Codes

112519 PRIMARY	Other Aquaculture
541620	Environmental Consulting Services
562910	Remediation Services
562910 Size standard exception	Environmental Remediation Services

Client Examples



Denver City Park Golf

Denver, CO

Decreased PO₄ to 0ppm, NH₄ to 0ppm, NO₂ to 0ppm, and NO₃ to 10ppm in 8 days on a $\frac{3}{4}$ acre irrigation pond that irrigated 576,000 gallons a night and was fed by effluent waters between .5 and 1.0ppm NH₄, with original levels of .25ppm NH₄, .25ppm NO₂, 20ppm NO₃, and .25ppm PO₄.

Ohio Dog Training Pond

1-acre residential pond, OH

Produced late July water chemistry results of 0ppm NH₄, 0ppm NO₂, 0ppm NO₃, and .1ppm PO₄ through a 65 gallon inoculation of beneficial phytoplankton in April on a spring fed pond with incoming nutrient levels of .25ppm NH₄, 0ppm NO₂, 5ppm NO₃, and .25ppm PO₄. No harmful algae blooms for the entire season.

If you would like more information, data, references, or additional project examples, they are available upon request.