

Below is a structured comparison of the two 2026 agreements for **Lake LeAnn**:

- **Aquatic Control, Inc.**
- **Barr Engineering Michigan, LLC**

Both contracts are designed to work together but serve distinctly different roles.

1 Aquatic Control – 2026 Lake Management Services

Total Program Estimate: \$76,002

(\$71,700 services + \$4,302 sales tax; vegetation & algae final costs depend on acres treated)

A. Fixed Professional Services

Service	Description	Cost
Tier II Vegetation Surveys (Spring & Summer)	60-point INDNR protocol survey per basin; invasive/native tracking; distribution maps	\$3,800
Fisheries Analysis Survey	Electrofishing, water chemistry, fish population report & recommendations	\$4,000
Water Quality Monitoring (May–Sept)	Monthly sampling at 4 sites; full nutrient panel; lab analysis; monthly reports	\$13,500
Annual Lake Manager Fee	Planning, communication, education support, 2 meetings, annual joint report (with Barr)	\$5,400

Subtotal Fixed Professional Services: \$26,700

B. Treatment Services (Variable Based on Acres Treated)

1. Invasive Vegetation Treatments

Curlyleaf Pondweed (Diquat)

- 1–25 acres: **\$205/acre**
- 25–50 acres: **\$130/acre**
- >50 acres: **\$105/acre**

Eurasian Watermilfoil (ProcellaCOR)

- 1–10 acres: **\$532/acre**
- >10 acres: **\$475/acre**

Shoreline Lot Treatments (Native nuisance plants)

- <1,000 LF: **\$3.55/LF**
 - >1,000 LF: **\$3.07/LF**
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2. Planktonic Algae / HAB Treatments

Cutrine Plus (Copper)

- <10 acres: **\$303/acre**
- 10–50 acres: **\$199/acre**
- >50 acres: **\$180/acre**

GreenClean Liquid 5.0 (Peroxide)

- <10 acres: **\$1,011/acre**

- 10–50 acres: **\$1,038/acre** (+\$26 vs <10/acres)
- >50 acres: **\$749/acre**

GreenClean Pro Granular 5.0 (Peroxide)

- <10 acres: **\$1,000/acre**
- 10–50 acres: **\$813/acre**
- >50 acres: **\$787/acre**

2026 Vegetation Treatment Budget: \$45,000

Aquatic Control Primary Role

- Field operations
- Sampling & lab coordination
- Herbicide/algaecide application
- EGLE reporting
- Fisheries survey
- Annual operational lake management

This is the **implementation contractor**.

2 Barr Engineering – 2026 Lake Management Plan Development

Total Lump Sum: \$34,500

Barr provides planning, modeling, and strategy development — **no field work included**.

A. Task Breakdown & Cost

Task	Description	Cost
Task 1	Review historic data, summarize lake & watershed conditions	\$4,500
Task 2	Identify stressors & define management objectives	\$3,000
Task 3	Develop long-term monitoring strategy	\$1,000
Task 4	Phosphorus budget (GWLF model + Canfield-Bachmann model)	\$9,000
Task 5	5-year implementation strategy & capital improvement plan	\$5,000
Task 6	Draft & final 10–15 page lake management plan	\$7,000
Task 7	Meetings (3 total)	\$5,000

Total: \$34,500

Barr Primary Role

- Watershed nutrient modeling
- Phosphorus source identification
- Lake response modeling
- 5-year capital improvement plan (CIP)
- Strategic plan & adaptive management framework
- High-level cost projections

This is the **strategic planning and modeling consultant**.

3 Services That Are Similar or Overlapping

While roles are mostly distinct, there are a few areas of similarity:

1. Monitoring Strategy

- **Aquatic Control:** Conducts the physical monthly monitoring and lab sampling.
- **Barr:** Designs and refines the monitoring strategy for long-term goal tracking.

→ Similar topic, but different responsibility (design vs execution).

2. Annual Reporting

- **Aquatic Control:** Provides monthly reports + co-authors annual management report.
- **Barr:** Produces formal lake management plan and 5-year strategy.

→ Both produce reports, but scope and depth differ significantly.

3. Aquatic Vegetation Management Planning

- **Aquatic Control:** Conducts vegetation surveys and treatments.
- **Barr:** Incorporates vegetation strategy into 5-year capital improvement plan.

→ Barr sets strategic direction; Aquatic Control performs treatments.

4. Meeting Participation

- **Aquatic Control:** Up to 2 meetings included.
- **Barr:** 3 meetings included.

→ Both provide stakeholder communication support.

4 Key Differences

Category	Aquatic Control	Barr Engineering
Field Work	Yes	No
Herbicide Application	Yes	No
Fisheries Survey	Yes	No
Water Quality Sampling	Yes	No (relies on AC data)
Phosphorus Budget Modeling	No	Yes
Watershed Modeling (GWLF)	No	Yes
5-Year Strategic Plan	Limited (operational)	Yes (formal CIP plan)
Capital Planning	No	Yes
Permit Reporting	Yes	No
Regulatory/EGLE Compliance	Yes	Indirect

5 Financial Overview

Company	Type of Work	2026 Cost
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Aquatic Control	Monitoring, treatments, fisheries, operations	~ \$76,002 (estimated)
Barr Engineering	Modeling, planning, 5-year strategy	\$34,500

Combined Total: ≈ \$110,502

Side-by-Side Comparison Summary

Area	Aquatic Control	Barr Engineering
Vegetation Surveys	✓ Conducts	Reviews data
Vegetation Treatment	✓ Applies herbicides	Advises in strategy
HAB Treatment	✓ Applies algaecides	Advises in strategy
Fisheries Survey	✓ Conducts	No
Water Sampling	✓ Performs monthly	Designs long-term approach
Phosphorus Modeling	No	✓ Full watershed & lake modeling
Watershed Analysis	No	✓ Yes
5-Year Plan	Limited operational input	✓ Full plan development
Annual Report	Co-author	Lead author
Capital Improvement Planning	No	✓ Yes

Bottom Line

- **Aquatic Control** = Boots-on-the-ground lake manager and treatment contractor.
- **Barr Engineering** = Strategic planner and nutrient modeler creating a 5-year restoration roadmap.

They are complementary, not redundant.

The only mild overlap is in monitoring strategy discussions and annual reporting, but responsibilities are clearly divided between **execution (Aquatic Control)** and **strategic modeling/planning (Barr)**.
