



Proposal for Carp Management in the Clearwater Chain of Lakes

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Prepared For: Clearwater River Watershed District

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Prepared by:

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After population estimate and aging analyses in 2023, which identified excessive carp biomass in several lakes in the Clearwater Chain, and following a successful pilot removal project in Betsy Lake, Carp Solutions proposes the following carp removal efforts to bring the carp population in the Clearwater Chain of Lakes below the ecologically damaging threshold of 100 kg/ha.

Box Netting

As stated in the *Report on Carp Management Activities in the Clearwater Chain of Lakes in 2023*, Carp Solutions recommends carp removals with three nets in Betsy Lake, four nets total in Marie and Louisa lakes (treated as a single management unit), and three nets in Caroline Lake. These nets will be pulled three times in the summer or early fall of 2024 in Betsy and Caroline, and four times in Marie and Louisa. Four PIT systems will also be installed accompanying these nets, with one in Betsy, one in Caroline, and two in Marie and Louisa to track carp feeding activity. The nets will be baited with corn for several days before each removal. The effect of carp feeding would be monitored by PIT antennas to adjust baiting as needed. Carp Solutions will install the nets, bait, set, trip, pull the nets, and dispose of the carp. All carp will be scanned for PIT tags (implanted in 2023) and a sample of 50 per day will be measured for length before euthanasia. At the end of the season, the nets will be uninstalled. A report will be written for the client and submitted by January 31st, 2025.

This work will be conducted for a not-to-exceed amount of **\$112,704** (below). This includes all materials, labor, travel, planning, coordination, permitting and report writing.

Betsy (3 nets x 3 rounds of removal)

Install cost: \$3,520

Cost for 9 removals: \$22,500

Uninstall cost: \$3,520

Cost for box netting: \$29,540

Marie & Louisa (4 nets x 4 rounds of removal)

Install cost: \$4,400
Cost for 16 net pulls: \$40,000
Uninstall cost: \$3,520
Cost for box netting: \$47,920

Caroline (3 nets x 3 rounds of removal)

Install cost: \$3,520
Cost for 9 net pulls: \$22,500
Uninstall cost: \$3,520
Cost for box netting: \$29,540

Milage (54 round trips): \$4,704

Report cost: \$1,000
Total cost for box netting: **\$112,704**