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Date: December 23, 2015

To: Jamie Carroll, Lake Iroquois Association

From: Marc Bellaud

Re: Lake Iroquois – 2016 Herbicide Treatment Program Cost Estimates UPDATED

The following costs are estimates of Fixed Costs for tasks that would be required for any treatment program in a public lake in Vermont.

- Renovate residue testing – estimate of 5 locations and 3 rounds or 15 water samples @ \$120/sample \$1,800
 - Pre-treatment milfoil survey and approximate one month post-treatment inspection/survey \$2,500
 - Comprehensive late season transect aquatic plant survey & prepare written report (to be performed by NEAR) \$6,000
 - Prepare year-end report & attend year-end meeting with DEC (if necessary) \$1,000
- SUBTOTAL of FIXED COSTS \$11,300**

The total program shown below are based on the 2015 herbicide pricing. We do not have updated costs for 2016 yet, but would not expect product cost to increase by more than 3-4%.

Program Cost Breakdown – Renovate OTF for 30 acres

- Renovate OTF herbicide treatment of agreed upon areas totaling ~ 30 acres, inclusive of all chemicals, equipment & labor \$35,650
 - Renovate residue testing – estimate of 5 locations and 3 rounds or 15 water samples @ \$120/sample \$1,800
 - Pre-treatment milfoil survey and approximate one month post-treatment inspection/survey \$2,500
 - Comprehensive late season transect aquatic plant survey & prepare written report (to be performed by NEAR) \$6,000
 - Prepare year-end report & attend year-end meeting with DEC (if necessary) \$1,000
- ESTIMATED TOTAL COST (30 Acres) \$46,950**

Program Cost Breakdown – Renovate OTF for **70 acres**

▪ Renovate OTF herbicide treatment of agreed upon areas totaling ~ 70 acres, inclusive of all chemicals, equipment & labor	\$73,500
▪ Renovate residue testing – estimate of 7 locations and 3 rounds or 21 water samples @ \$120/sample	\$2,520
▪ Pre-treatment milfoil survey and approximate one month post-treatment inspection/survey	\$2,500
▪ Comprehensive late season transect aquatic plant survey & prepare written report (to be performed by NEAR)	\$6,000
▪ Prepare year-end report & attend year-end meeting with DEC (if necessary)	\$1,000
ESTIMATED TOTAL COST (70 Acres)	\$83,020