



"Advancing the Science of Lake Management"

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August 4, 2010

Attention: Ohop Lake Improvement Club  
28112 144<sup>th</sup> Avenue East  
Graham, WA 98338

Subject: Invasive Aquatic Plant Management at Ohop Lake

Dear Ohop Lake Improvement Club Board,

Thank you for enlisting the services of AquaTechnex to assist in the control effort of Brazilian elodea and Fragrant white water lily (BE and WWL) at Ohop Lake in 2010. The following is the 2010 Scope of Work/Cost Proposal for the project, "Invasive Aquatic Plant Management at Ohop Lake".

#### **A. Aquatic Herbicide Application**

Reward (active ingredient is Diquat) is a fast-acting contact herbicide registered by the EPA for freshwater applications. Reward is a post-emergent herbicide that is used to control many types of aquatic and terrestrial vegetation. Effectiveness of the treatment is dependent upon the timing of the application and density of the target plant community. Two treatments may be required when targeting dense plant communities. This product can be applied under permit. Following application the targeted plants will begin to show signs of injury in a short period of time, followed by plant breakdown. The herbicide application team will consist of two (2) field biologists and will take approximately 8 hours.

#### Advantages

- Fast-acting contact herbicide which is effective in controlling Brazilian elodea
- Application can be conducted in a spot-treatment or isolated area applications
- Treated waters can be used for swimming
- No fish consumption restrictions

### Disadvantages

- 72 hour irrigation restriction.

Application of Reward will be provided by AquaTechnex at \$310.00 per acre of lake treated. This cost will include two field biologists and all materials required for aquatic herbicide application.

AquaPro or Rodeo (active ingredient is Glyphosate) is a systemic herbicide registered by the EPA for aquatic applications. AquaPro controls a large variety of annual and perennial weeds such as White Water Lily, Purple Loosestrife and Yellow Iris. The active ingredient in AquaPro or Rodeo moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, 7 days or more on most perennial weeds, and 30 days or more on most woody plants. Extremely cool or cloudy weather following treatment may slow the activity of this product and delay visual effects of control. Visible effects include gradual wilting and yellowing of the plant which advances to complete browning of above-ground growth and deterioration of underground plant parts. Control of WWL will continue in 2010 with the goal of eradication.

### Advantages

- Fast-acting systemic herbicide effective in removing targeted plants with no impact to plants not treated.
- Application can be conducted in a spot-treatment or isolated area applications
- No water use restrictions

### Disadvantages

- No use for domestic purposes until herbicide level drops
- No treatments within 0.5 miles of a potable water intake

Application of Glyphosate will be provided by AquaTechnex at \$95.00 per hour + product used at \$1.25 per ounce (estimate less than 80 oz in 2010). This cost will include two field biologists and all equipment required for aquatic herbicide application.

## B. Mobilization

AquaTechnex will charge a fee of \$200.00 for mobilization of equipment and travel per visit to Ohop Lake to complete notifications and herbicide applications.

## C. Permit Requirements

AquaTechnex will comply with all permit conditions, and will be responsible for all required public notifications. In addition, all AquaTechnex personnel applying the aquatic herbicide will be approved as a Washington State licensed aquatic herbicide applicator(s).

AquaTechnex will obtain continued coverage under the DOE permit. The annual permit fee from DOE is estimated at \$371.00. Final cost will reflect fee issued by the State.

1. AquaTechnex will provide the necessary permit notifications at an estimated cost of \$2,100.00. This cost is estimated and includes public notice delivery, shoreline notice postings 24 hrs prior to treatment, printing materials, posting material, travel, equipment and labor. The final cost will reflect time and materials to complete this task.
2. AquaTechnex will complete any and all monitoring required by the permit at an estimated cost of \$200.00 per site visit. No monitoring is expected in 2010.
3. AquaTechnex will file all required annual reports to WADOE at a cost of \$50.00.

Sincerely,

Kyle Langan  
Aquatic Specialist  
AquaTechnex, LLC.  
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