

# Lone Lake Restoration Plan for 2013

**Carp Exclusion Project** - The purpose of this study is to evaluate the regrowth and establishment of native and exotic vegetation previously cropped by a large grass carp population in Lone Lake , Island County. Results from this effort will be used to develop a re - vegetation plan for the lake upon the significant reduction of elimination of grass carp which is underway by the members of the Evergreen Fly Fishing Club.

Members of the Evergreen Fly Fishing Club and the Whidbey Island Fly Fishing Club, in cooperation with WDFW, will install and monitor exclusionary netting in the littoral zone in waters from 3 to 8 feet deep. Each of the approximately 10,000 square feet ( approx 50' X200' each) areas will be isolated using commercial gill nets with floats and lead lines and of a mesh size that will allow the passage of trout but block the passage of grass carp. The plots will be evaluated over a two year timeline to assess the regrowth and establishment of native and exotic vegetation in the absense of grass carp.

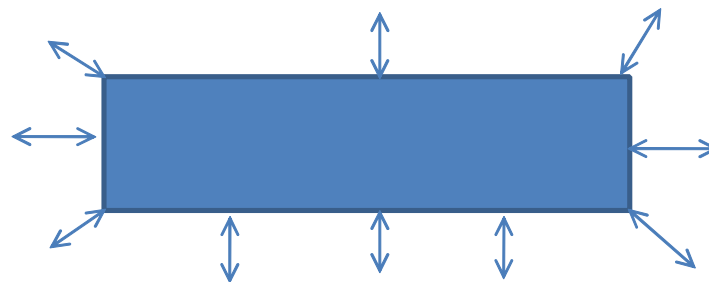
Final clean-up and removal of all netting material at the end of the two year study period will be completed by EFFC and WIFFC. Monitoring reports will be prepared quarterly by EFFC.

Result from this two year pilot study will be used to determine the rate and diversity of aquatic vegetation recovery assuming the grass carp numbers are further reduced.

**Project Team –**

Noxious Weed Coordinator	Janet Stein
WDFW	Justin Spinelli
EFFC	Jake Jacobson, Al Vavra, Dave McCutchen
WIFFC	Clarence Hein, Jeff Dodd
DOE	Jennifer Parsons

Net Source -	Ron Erickson	425.327.5609	&	Mike Borvinna	425.330.1518
Installation Date	June 2013				
Net Locations	SE Corner				SW Corner





**Additional Floats** at corners and midpoint of long side. **Jake & Clarence Design**

**Anchors** Each net may require up to 10 anchors, and rope.

Info We will need info signs at the park and info posted on the web. **Jeff and Dave**

Monitoring Plan – Inspect weekly, then monthly. Possible use of diver and/or underwater camera. **AI**

Vegetation survey schedule - **Jake**

June 2013, Sep/Oct 2013, Apr/May 2014, Sep/Oct 2014 Remove nets Oct 2014?

## Carp Capture & Corral

**General Rules** - All participants must register prior to fishing, and report their effort to Jake. Each fisher must report date of fishing, hours fished, and number of fish caught and killed. It is desirable to weigh and measure the fish, but not necessary. All fishers must have a copy of the permit in hand while fishing. Fish are to be left in the upper field (beyond the tree line) to the north of the park area proper.

**Derby June 15 – 30.** Cash bounty is \$10 for each fish caught. Limit of \$200 in the bounty pool (\$100 from each club). Fish must be measured to length and girth and weighed if possible. Derby is run on the honor system.

**Seine Ops** - We will fish the third week in July and in the third week in September this year. Need to figure out a haul out site and a disposal site. Written landowner permission is also required. Bev Gabelein, 5277 Country Lane, Langley, Wa (360-321-4436) is the owner. Her son, Les, is at 360-321-3544. The seine (modified gill) net will be supplied by Doc Hublou at 425-760-3585. Net will be 4" or 5" mesh, approximately 600' long by 25' deep. We will also need pull ropes and a means of pulling the net ashore. Then we will need to develop a method of disposal for the carcasses. Many of these details need fleshing out prior to May 15.

## Net Design

Nets will be set in a closed rectangular shape, with bottom of the net resting on the lake bottom, and the top of the net suspended with floats.

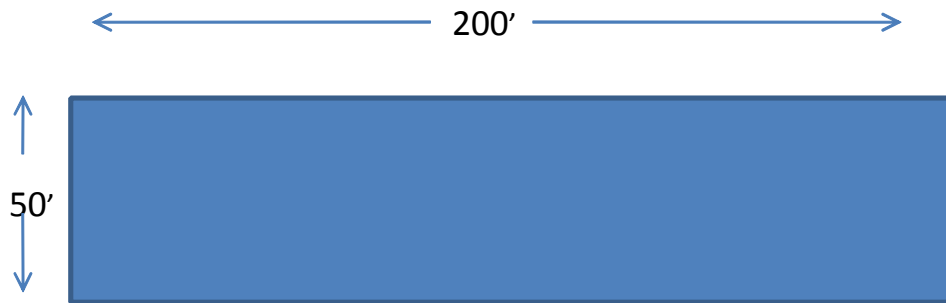


Figure 1 top view

**Net Depth** Nets should be at least 10' deep, but less than 25'.

**Mesh Size Needed** 3 ½ inch to 5" ( Grass carp are 6 to 20 lbs in size, and avoid gill nets).

We'll need 1000' mesh, 1000' of floats along top rope, and 1000' of lead line along base. Anchors set every 50' on perimeter. 10 anchors per net.

**Water Depth** 3' on shallow side to 8' on deep side.