

## NEBRASKA LAKE MANAGEMENT

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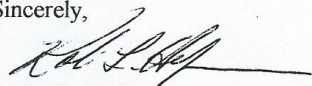
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Enclosed are some graphs showing length frequency distributions for bass and bluegill from the lake survey we conducted on June 12, 2007. We sampled a total of 50 largemouth bass, 34 bluegills, 1 channel catfish, and 4 yellow bass. Bass ranged from 4 inches to 16 inches in length and from 2 ounces to two pounds 4 ounces in weight. Overall the fishery looks to be well balanced in terms of bass and bluegill (predator prey relationship). However, the presence of yellow bass could have a negative impact if their population gets out of control. One positive thing is that water clarity is pretty good (almost 2 meters at the time of the survey). This allows your site-feeding predators (bass) to help keep them under control.

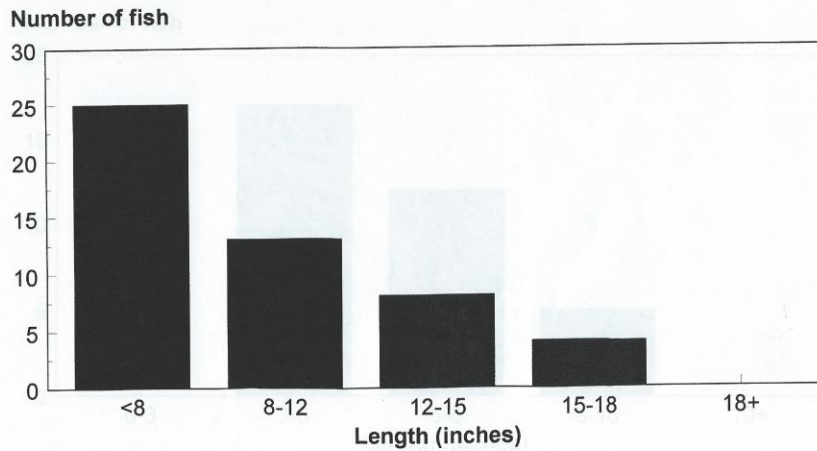
There isn't a whole lot I can suggest to control the yellow bass except stocking some additional predators such as wipers or walleye to help keep them in check. Enclosed is our 2007 fish stocking price list in case you choose to do some fish stocking. I recommend stocking larger sizes (4-6" or 6-8" wipers and 5"-7" or 6"-8" walleye) so you're not just feeding the predators currently in the lake.

I appreciate your continued patronage and hope the data we collected helps you in ongoing lake management decisions at Lake Arrowhead. I look forward to continuing to serve you with your lake management needs in 2007 and beyond. If you have any questions, feel free to call me any time.

Sincerely,

  
Robin L. Hofpar  
Aquatic Biologist  
Nebraska Lake Management

**Figure 3. Length frequency distribution for largemouth bass in Lake Arrowhead, June 12, 2007.**



**Figure 4. Length frequency distribution for bluegills in Lake Arrowhead, June 12, 2007.**

