Evergreen Lake

925 Acres
Built in 1970
Secondary Water Source for the City of Bloomington
Spillway height increased 5 feet in 1995
Catch Rate of Largemouth Bass

<table>
<thead>
<tr>
<th>Year</th>
<th>Number Per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1982</td>
<td>9.5</td>
</tr>
<tr>
<td>1986</td>
<td>26.7</td>
</tr>
<tr>
<td>1990</td>
<td>16.0</td>
</tr>
</tbody>
</table>
Bass Stockings
8 Inch Fingerlings

$68,457.50 – 8” Bass
Over $4,200 per year
1996 - 46,400 4” Fingerlings – freeze brand
Remaining Water in 1995
Exposed Lake Bottom - 1995
Sampling Locations

Less than 10% Vegetated
After the loss of terrestrial vegetation
Catch Rate of Largemouth Bass


Number Per Hour

[Bar chart showing catch rates per hour from 1992 to 2008, with years 1995, 2003, and 2004 marked as no survey years.]
Catch Rate of Bass
Less than 8 Inches

No Survey in 1995
No marked bass collected

CPUE

Catch Rate of Bass
8 to 12 Inches

No Survey in 1995
Catch Rate of Bass
12 to 15 Inches

No Survey in 1995
Catch Rate of Bass
15 to 20 Inches

Aquatic Vegetation Project

- **Problems with Establishing Vegetation**
  - High carp densities
  - Water level fluctuations
- **Created In-Lake Nursery Area in 2005**
  - Water Stargrass
  - Vallisneria
  - Sago Pondweed
  - American Pondweed
  - Arrowhead
  - Sweet Flag
Water Level – Full Pool 720 ft.
2001 to 2007
Vegetation Establishment

June 2005

July 2005
Largemouth Bass in Nursery Area

June 2006
Carp Spawning at Evergreen Lake
Catch Rate of Common Carp

Large Die-Off in 2008

Number Per Hour

Expansion of Vegetation

80% vegetated

75% vegetated
Catch Rate of Largemouth Bass

Number Per Hour

Catch Rate of Bass
Less than 8 Inches

No marked bass collected
Summary

• Naturally produced bass should be the goal of any bass stocking project
• Stocked bass contributed to the fishery when stocked into large areas of habitat
• Naturally produced bass increased with an improvement in quality habitat
• Reduction in carp allowed rapid expansion of vegetation
• Improving quality aquatic habitat should be the focus for improving many sport fish populations
• Avoid stocking bass into a “swimming pool”