Gilbert and Pearl Lake Management Planning Meeting

Fisheries
Gilbert Lake

141 acre seepage lake
Max depth around 65’
Sampled in 2015 (all data not available)

Spring Fyke Netting
late ice out and cool spring
small sample size of NP and WE

Spring Electrofishing (two nights)
Pearl Lake

92 acre clearwater seepage
Highly developed
Max depth around 50’ and average 25’
Sampled in 2012
Spring Electrofishing
FISHERIES MANAGEMENT…we make fishing better
Northern Pike (04)

- Abundance average
  \[ \text{PE} = 547 \text{ (4/acre)} \quad 438 \text{ (3/acre in 97)} \]
  Late ice out and early spawning

- Poor size structure
  Size range – 12.2”-33.3”

- Growth below average
Largemouth Bass (15)

- Slightly high abundance
  - 182/hour >8” (231/hour in 04)
- Size structure fair
  - PSD12 = 48% (32% in 04)
  - RSD14 = 8.7% (2% in 04)
- Growth below average (04)
  - 7 years to reach 14”
Gilbert Lake Largemouth Bass

Frequency (%)

Length (inches)

2015
2004
Bluegill (15)

- Abundance low
  - 86/hour > 3” (253/hour in 04)

- Size structure fair
  - PSD6 = 33% (27% in 04)
  - RSD7 = 2.5% (8% in 04)

- YOY Bluegill very common

- Growth rates in 04 were below average
  - 5 years to reach 6”
Largemouth Bass

Abundance good
108/hour > 8"

Size structure below average
mean length 10.5"
range 6.0”-16.5”

PSD12 = 12%
RSD14 = 2%
Bluegill

Abundance good
326/hour > 3”

Size structure good
PSD6 = 73%
RSD8 = 16%
Pearl Lake Bluegill

Number of fish
Length (inches)

FISHERIES MANAGEMENT.......................... we make fishing better
Conclusion

• Habitat (shoreline assessment)
  – Gilbert lake – Medium (10.2) total score
  – Pearl lake – Low (6.7) total score
  – Scores mainly due to heavy development
  – Protection and restoration of near shore
  – Use of Large Woody Debris LWD in Littoral Zone

• Stocking ?
Thank You!

Questions??