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
Northern Pike (04)

- Abundance average
  PE = 547 (4/acre) 438 (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”
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)

2012
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??