Bugh’s and Napowan Lake Management Planning Meeting

Fisheries
Napowanan Lake

51 acre seepage lake
Max depth around 18’
Sampled in 2010
Spring Electrofishing
Bugh’s

30 acre seepage lake
Max depth around 18’
Mean depth 9’
Sampled in 2014
   Spring Electrofishing
FISHERIES MANAGEMENT ………………… we make fishing better
Largemouth Bass

• Above average abundance
  – 353/hour >8”
  – Prefer closer to 150/hour

• Poor size structure
  – PSD12 = 1% (only 1% of fish sampled>12”)
  – Only one fish sampled>14”
  – Growth rates below average
  – 7 years to reach 14”
Napowan Largemouth Bass

Number of fish vs Length (inches) for May 2010.
Bluegill

• Average abundance
  – 139 caught in our shocker survey
  – 360/hour > 3”
  – 2.5”-9.0”

• Size structure good
  – PSD6 = 57%
  – RSD7 = 12%

• Growth above average
  – 6” by age 3
Napowan Lake Bluegill

Number of Fish

Inches

2010
Largemouth Bass

• Abundance low
  – 60/hour > 8”

• Size structure good
  – PSD12 = 86%
  – RSD14 = 68%
Bugh's Lake Largemouth Bass

N=22

Number of fish vs. Length (inches)
Bluegill

- Abundance extremely high
  - 807/hour > 3"
- Size structure poor
  - PSD6 = 1%
  - RSD7 = .68%
  - Many YOY BG Present
Conclusion

- Habitat
  - Lakes are mostly developed
  - Waushara County Shoreline Assessment
    - Bugh’s – low score of 5.5
    - Napowan – upper medium score of 13.6
  - Protection and restoration of near shore
  - Use of Large Woody Debris LWD in Littoral Zone
- Removal of 14” size limit for LMB (Napowan)?
- Predator/Prey imbalance Bugh’s
Thank You!

Questions??