

# Bugh's and Napowan Lake Management Planning Meeting

## Fisheries



**FISHERIES MANAGEMENT..... we make fishing better**



# Napowan Lake

51 acre seepage lake

Max depth around 18'

Sampled in 2010

Spring Electrofishing



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# Bugh's

30 acre seepage lake

Max depth around 18'

Mean depth 9'

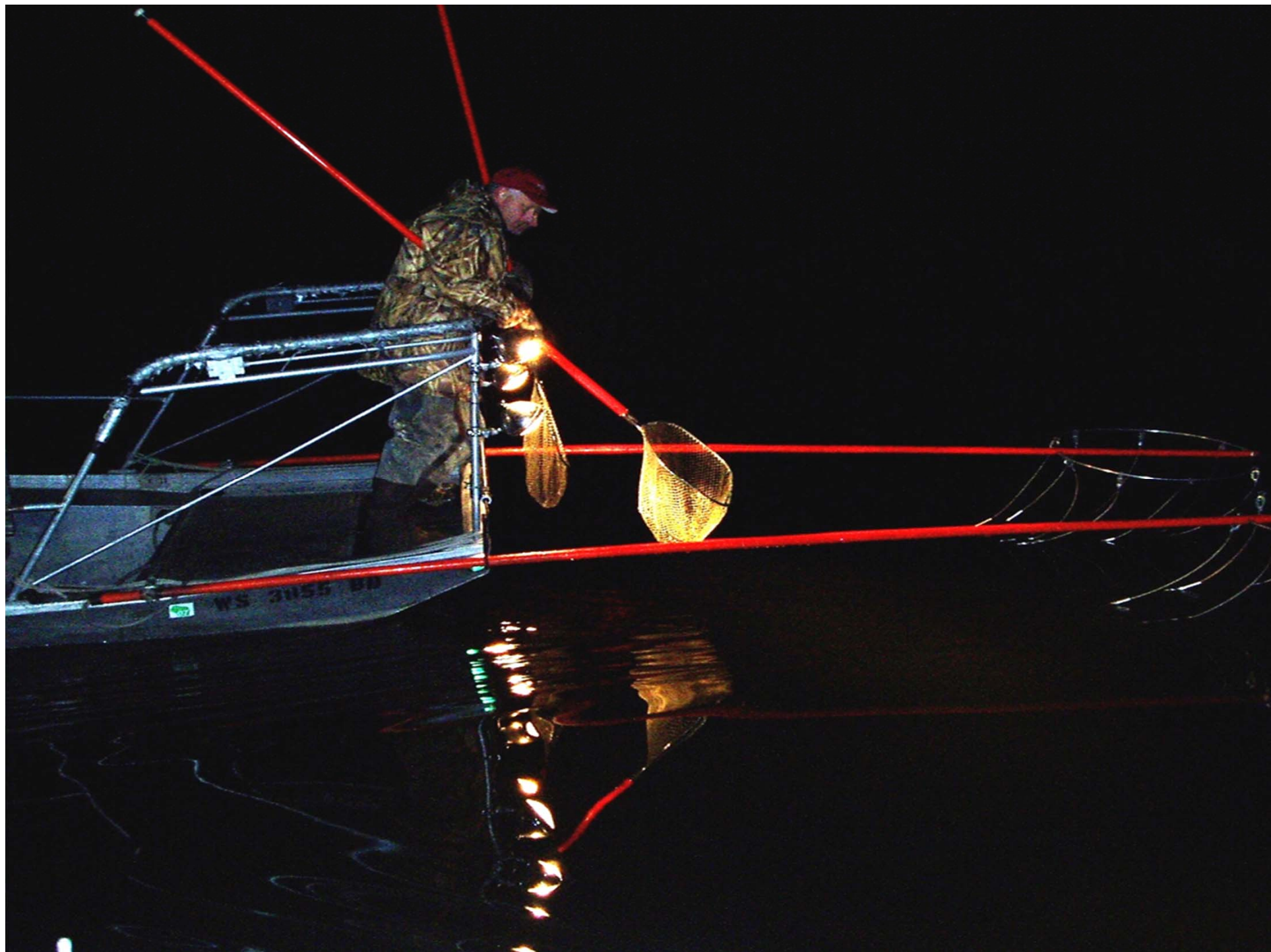
Sampled in 2014

Spring Electrofishing



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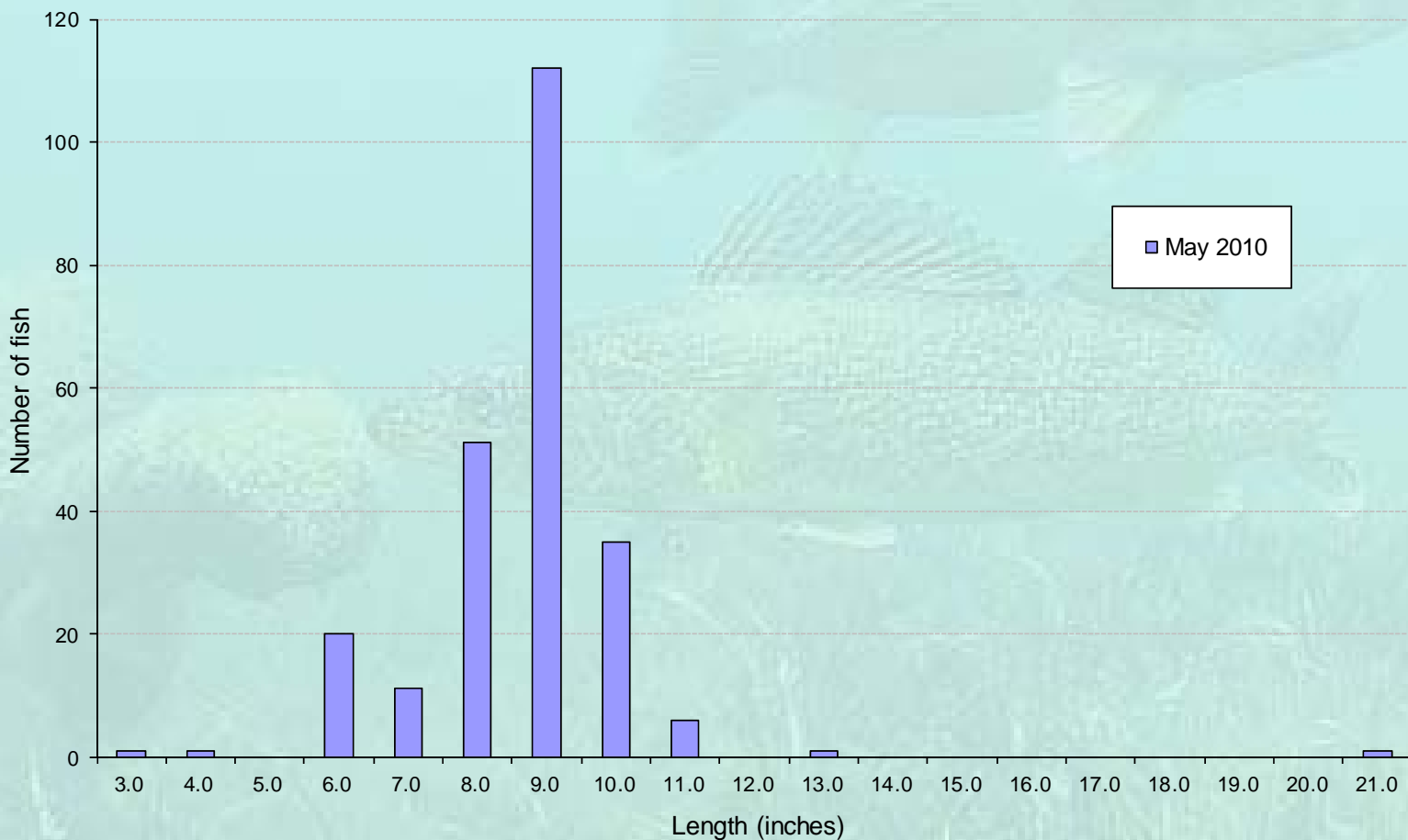


# Largemouth Bass

- 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



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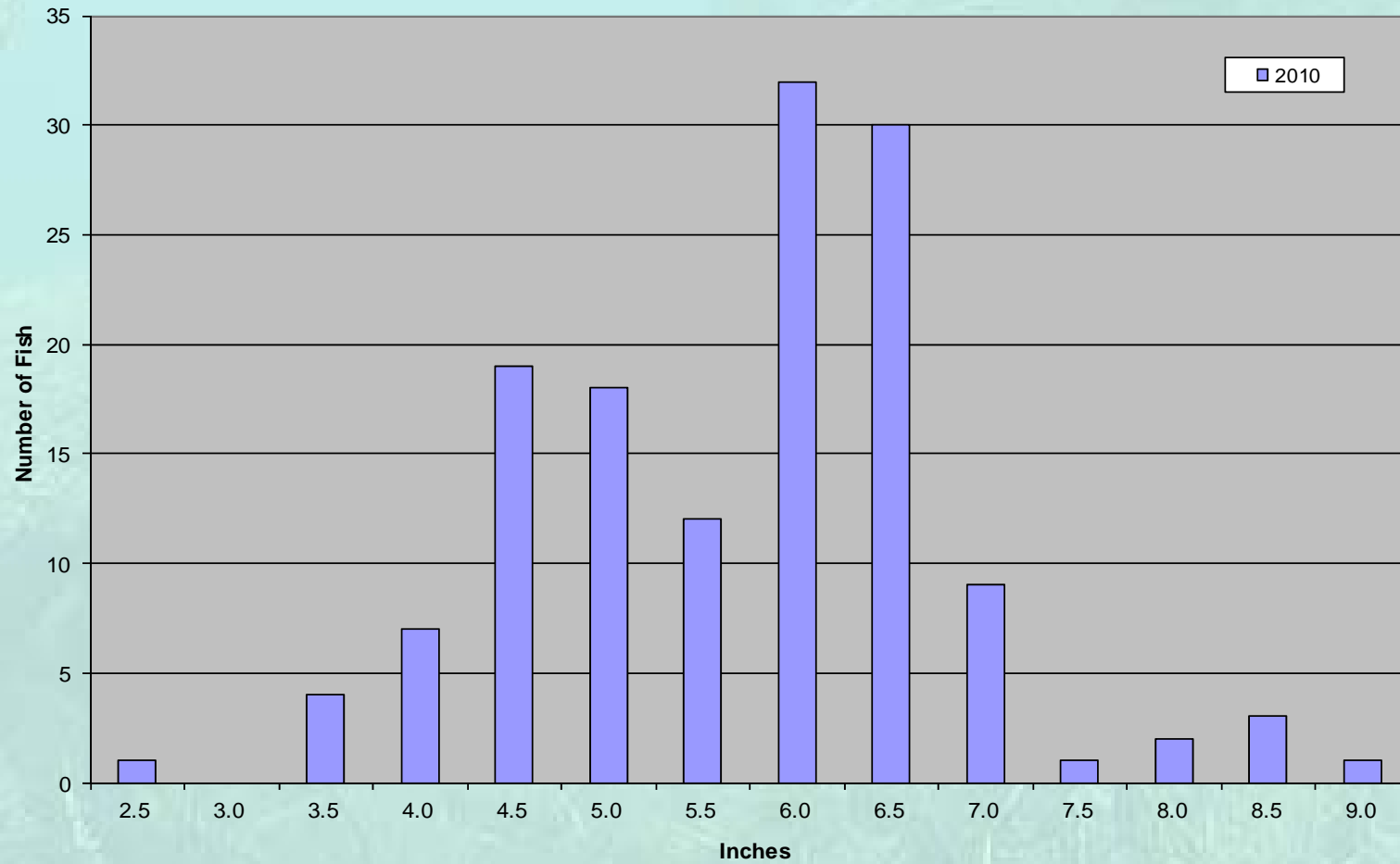
# Bluegill

- 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



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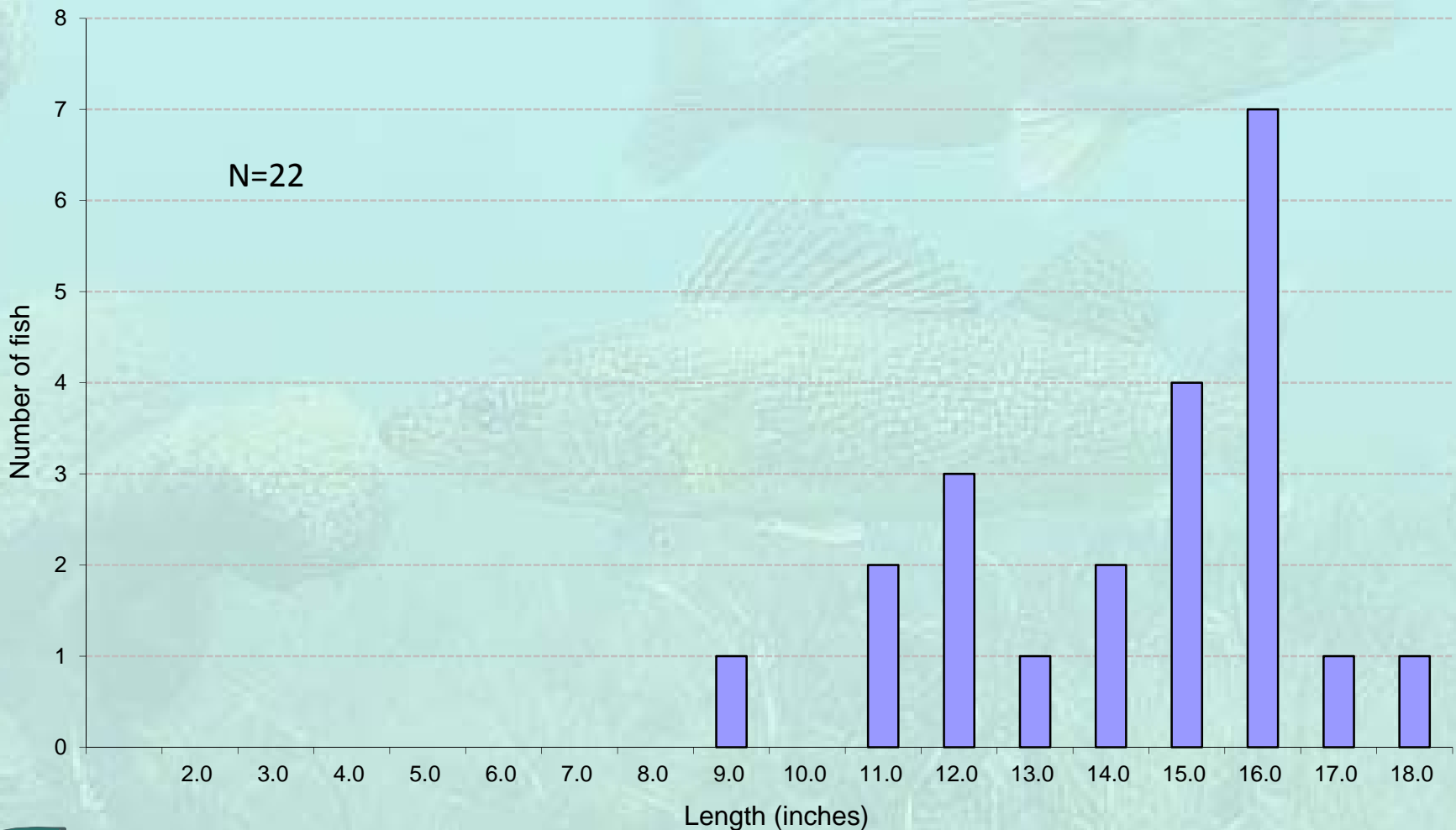


# Largemouth Bass

- Abundance low
  - 60/hour > 8"
- Size structure good
  - PSD12 = 86%
  - RSD14 = 68%



# Bugs Lake Largemouth Bass



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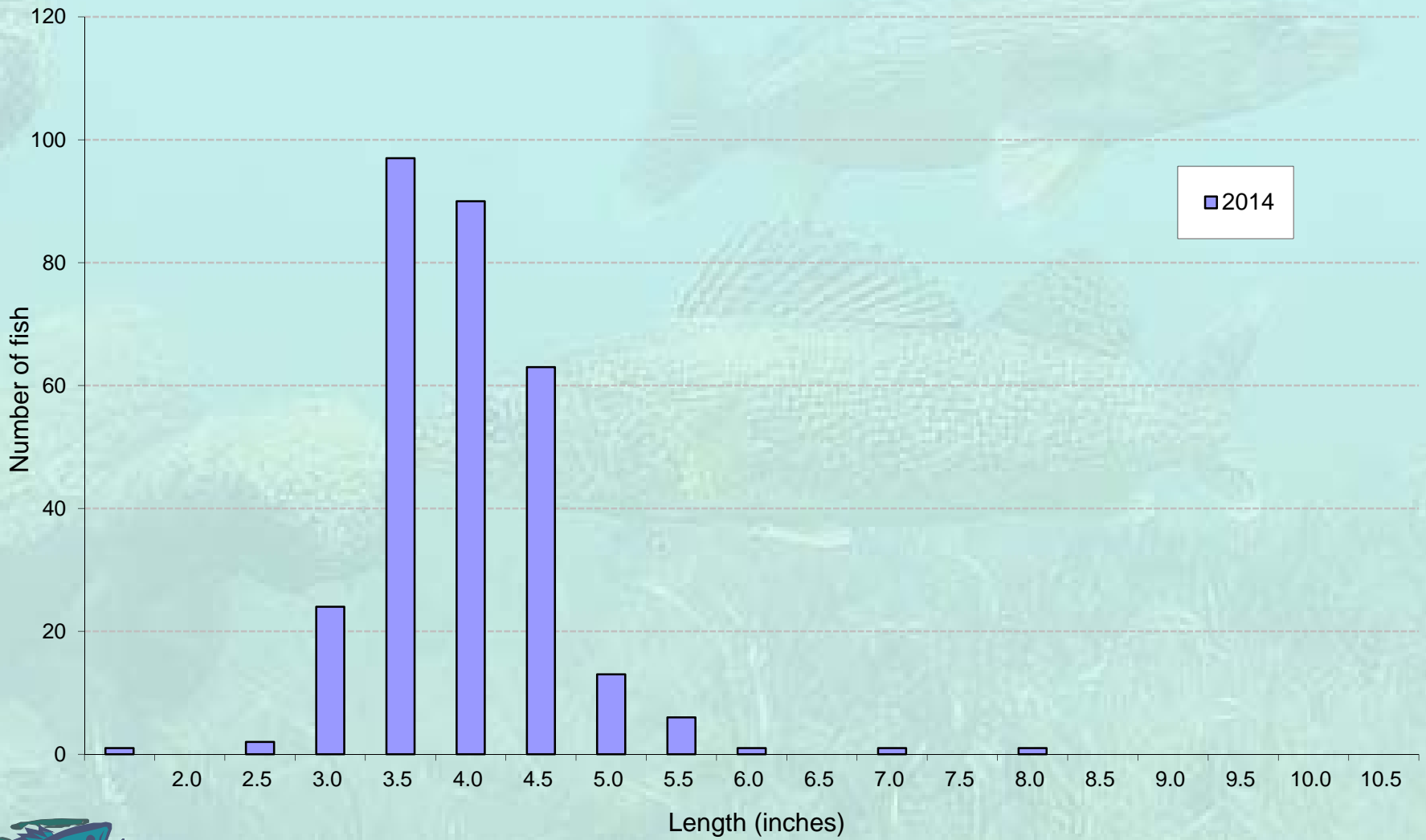


# Bluegill

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



# Bugs Lake Bluegill



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# 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??



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