

Big Hills, Little Silver and Beans Lake Management Planning Meeting Fisheries



FISHERIES MANAGEMENT..... we make fishing better



Big Hills Lake

133 acre clear water seepage lake

Max depth around 22'

Mean depth 12'

Heavily developed shoreline

Sampled in 2010

Spring Fyke-netting

Spring Electrofishing



Little Silver Lake

48 acre spring-fed

Max depth 52'

Sampled in 2009

Spring Electrofishing



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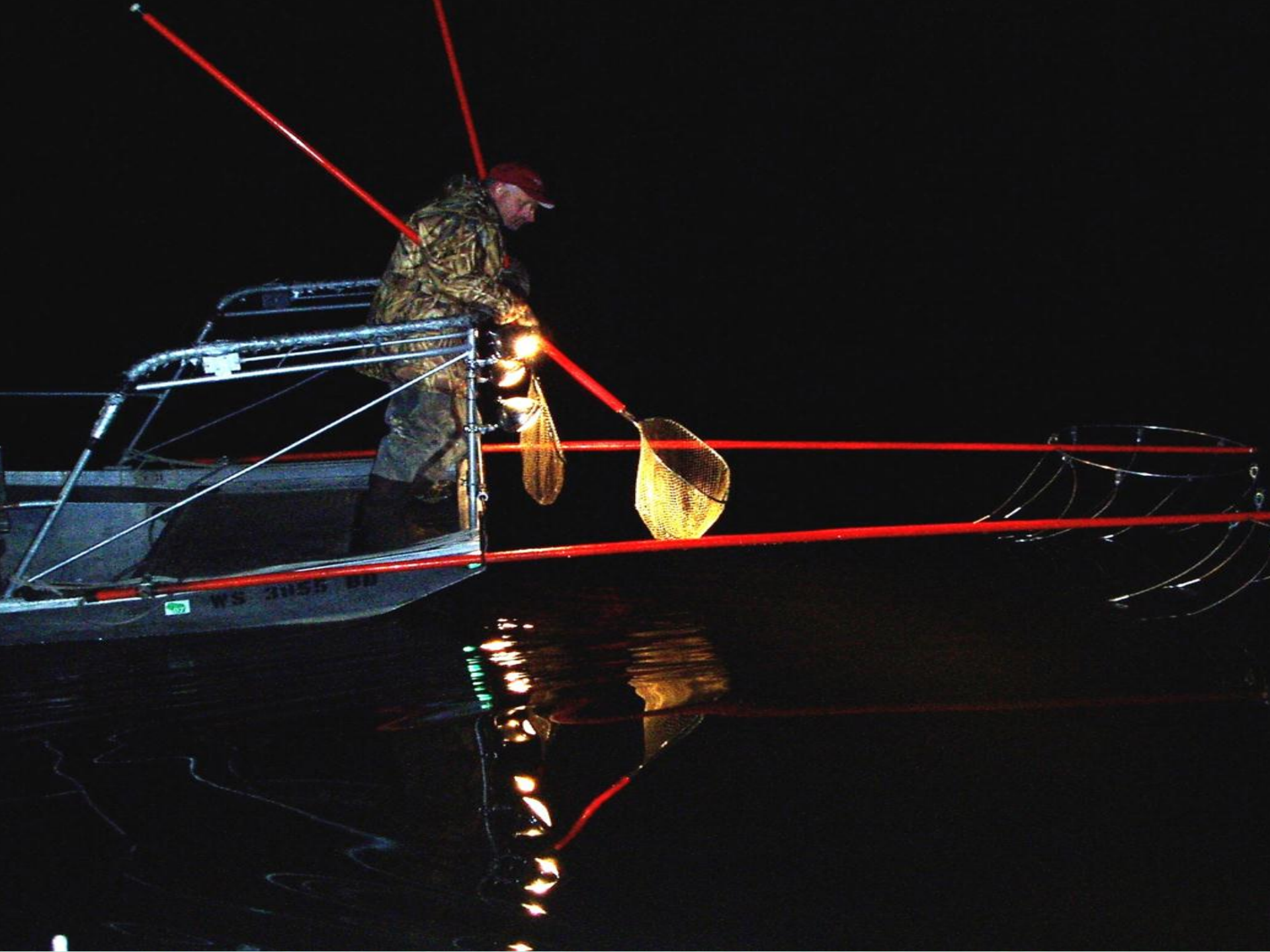


Beans Lake

- 20 acre seepage lake
- Max depth around 12'
- History of winterkills
 - Last winterkill most likely in 2014
- No recent fisheries information
- No active management







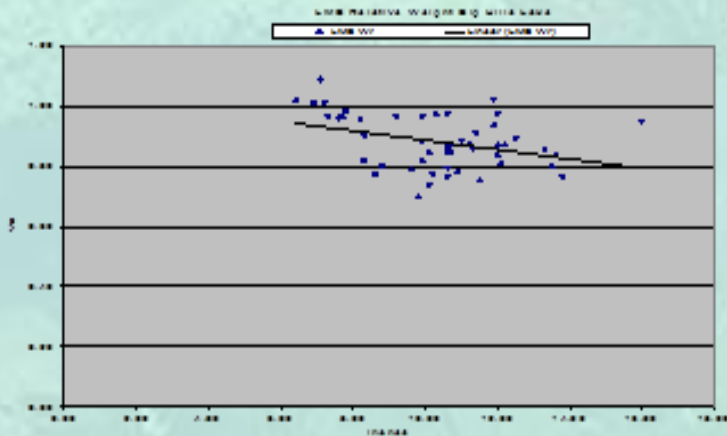
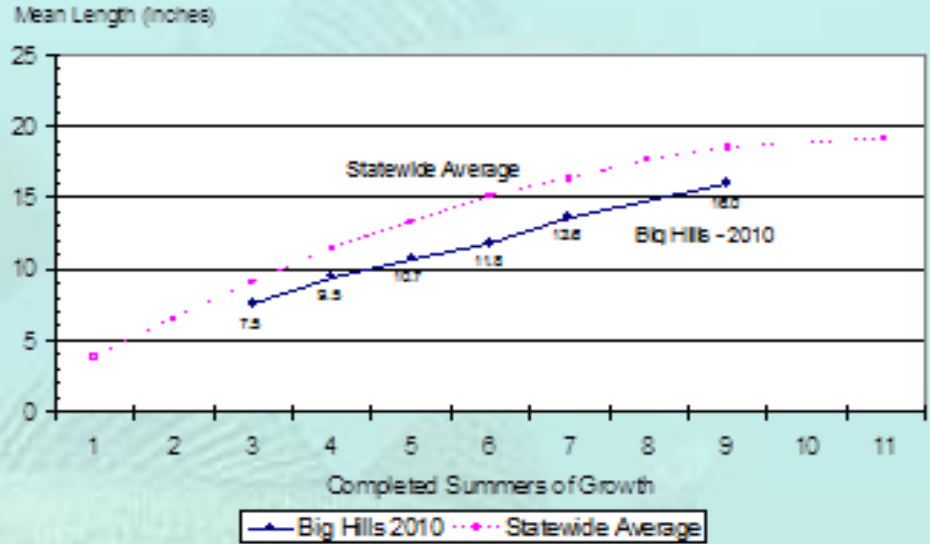
Largemouth Bass

- High abundance
 - 286/hour >8"
 - PE = 2711 (20/acre)
 - Prefer closer to 150/hour
- Poor size structure
 - Mean length of 10.6" (6.0"-16.0")
 - PSD12 = 1%
 - RSD14 = 0% (9% in 1997)
- Poor growth and condition

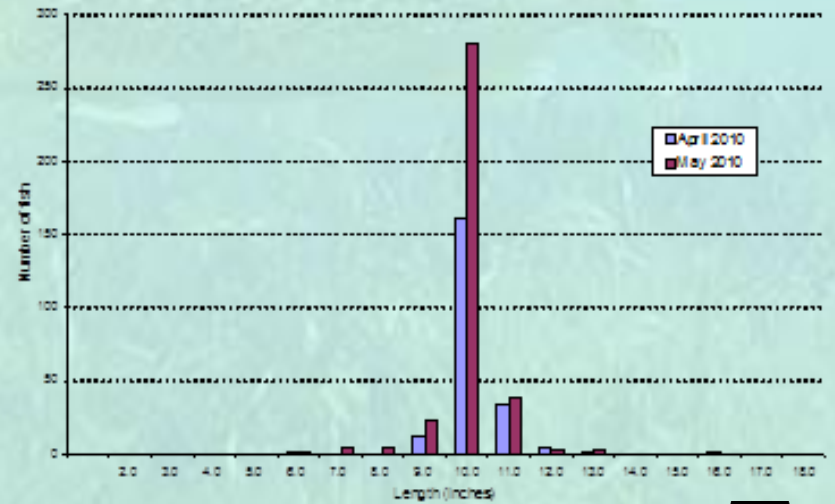




Largemouth Bass Growth Rates Big Hills Lake, Waushara Co.



Big Hills Largemouth Bass



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Northern and Walleye

- Both found in low abundance
 - Only 2 NP captured
 - 53 WE sampled, PE=169 (1.3/acre)
 - Mean length=14.3” (10.5-27.5”)
 - Growth and condition average 15” by age 4
- Habitat and forage
- Walleye rely on stocking



Bluegill

- Abundance low (total of 193 sampled)
 - Only 5 caught in our shocker survey
 - 23/hour (199/hour in 97)
- Size structure good
- Good growth – 6” by age 3



Yellow Perch

- Abundance fair for adults (low overall)
 - Sampled 317 fish
 - PE=785 (5.9 adults/acre)
- Mean length 10.4" (7.0-13.0")
- Growth and condition above average
- 9" after age 3

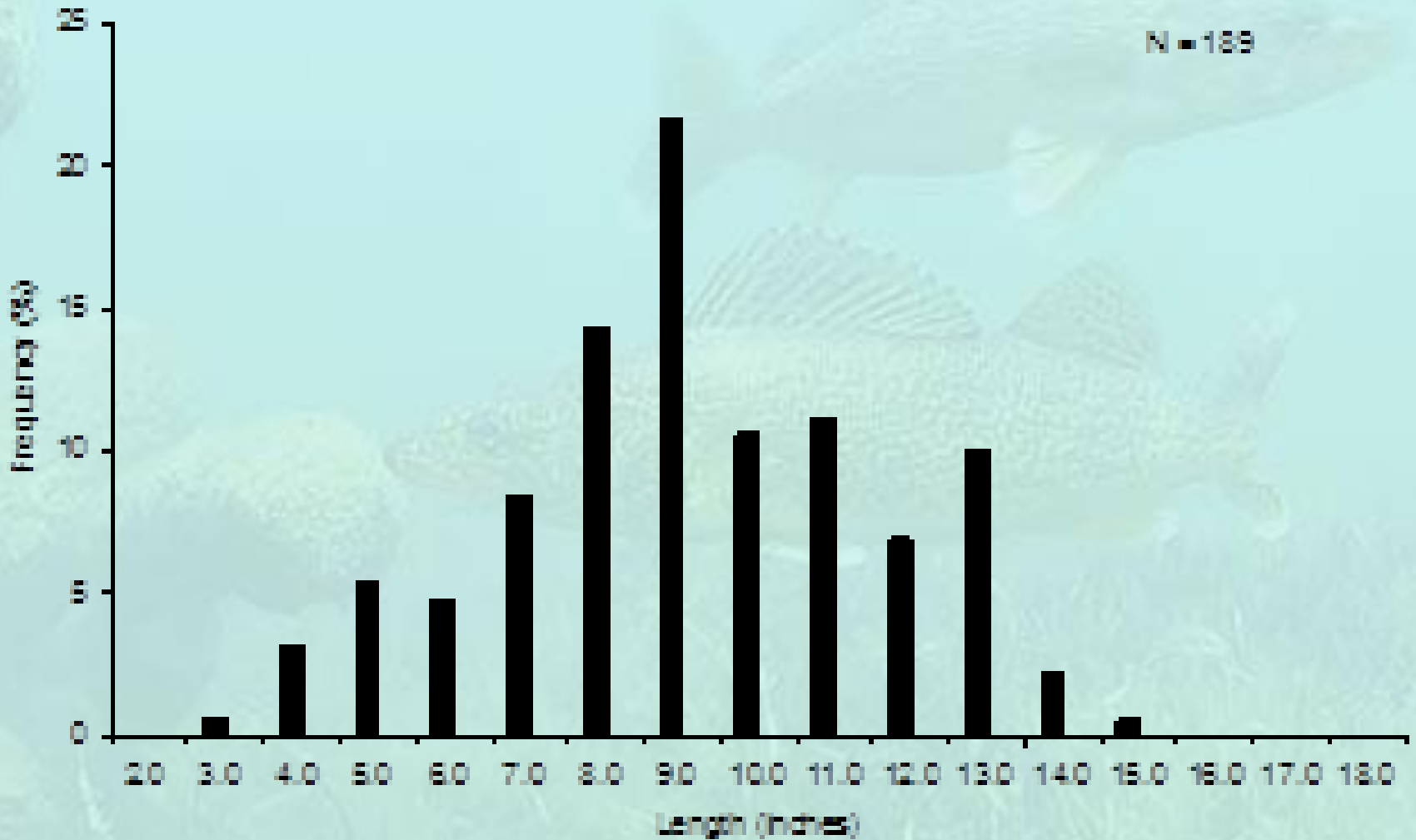


Largemouth Bass

- Abundance moderate
 - 189 captured in our survey
 - 298/hour > 8"
- Size structure average
 - Mean length 9.7" (3.6-19.2")
 - RSD14 = 4%
- Growth below average
 - 8 years to reach 14"



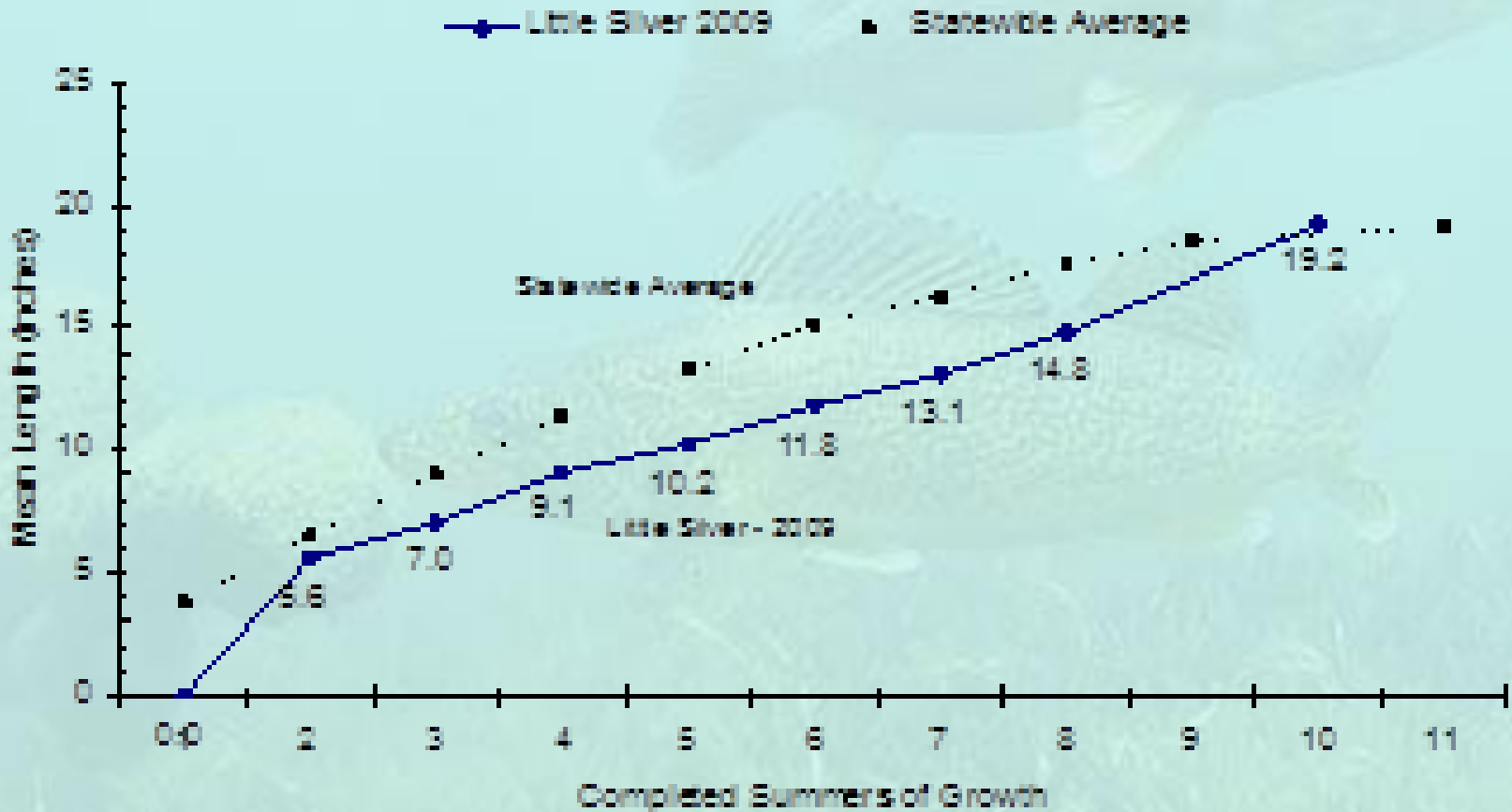
Little Silver Lake Largemouth Bass



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Largemouth Bass Growth Rates Little Silver, Waushara Co.



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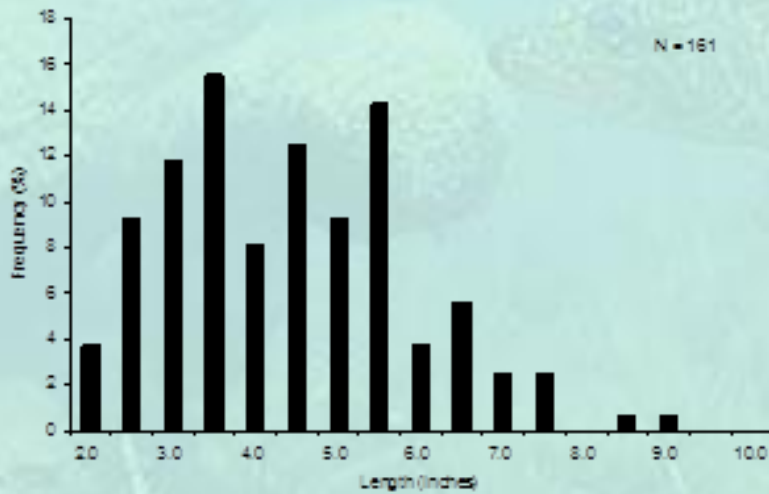
Bluegill

- Average abundance
 - 254/hour > 3”
- Size structure average
 - Mean length 5.2” (2.2” – 9.0”)
 - PSD6 = 18%
 - RSD8 = <1%
- Growth average
 - 5 years to reach 6”

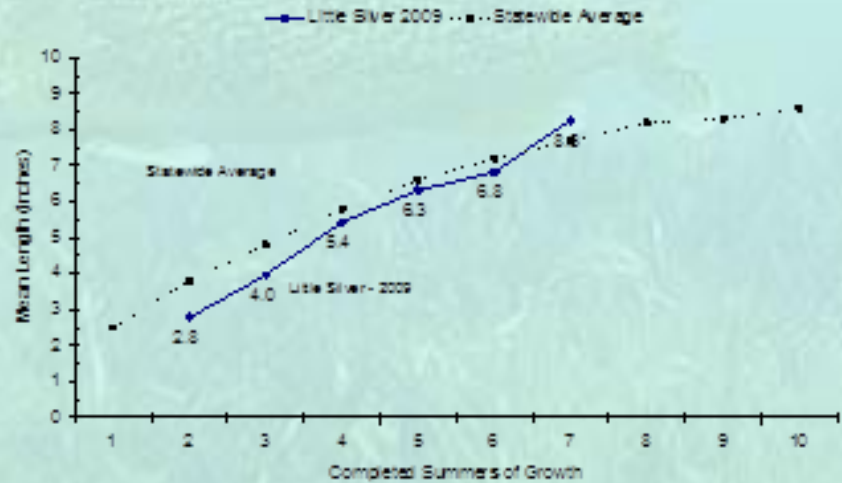




Little Silver Lake Bluegill



Bluegill Growth Rates - Little Silver, Waushara Co.



Beans Lake

- No recent fishery information
- No active management
- History of frequent winterkills
- Occasional carryover of panfish
- Some stocking in the past
- Installation of aerator?



Conclusion

- Habitat
 - Consistent “low” rankings in shoreline scores for Big Hills and Little Silver (development)
 - Beans scores “high”
 - Protection of existing habitat
 - Improve or restore areas of concern
 - Use of large woody debris in littoral area



Thank You!

Questions??



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