

Spring, Lucerne and Deer Lake Management Planning Meeting

Fisheries



Lucerne Lake

48 acre clear water seepage lake

Max depth around 33'

Mostly undeveloped shoreline

Sampled in 2011

Spring Electrofishing



Spring

40 acre spring-fed with outlet

Max depth 37'

Mean depth 22'

Sampled in 2013

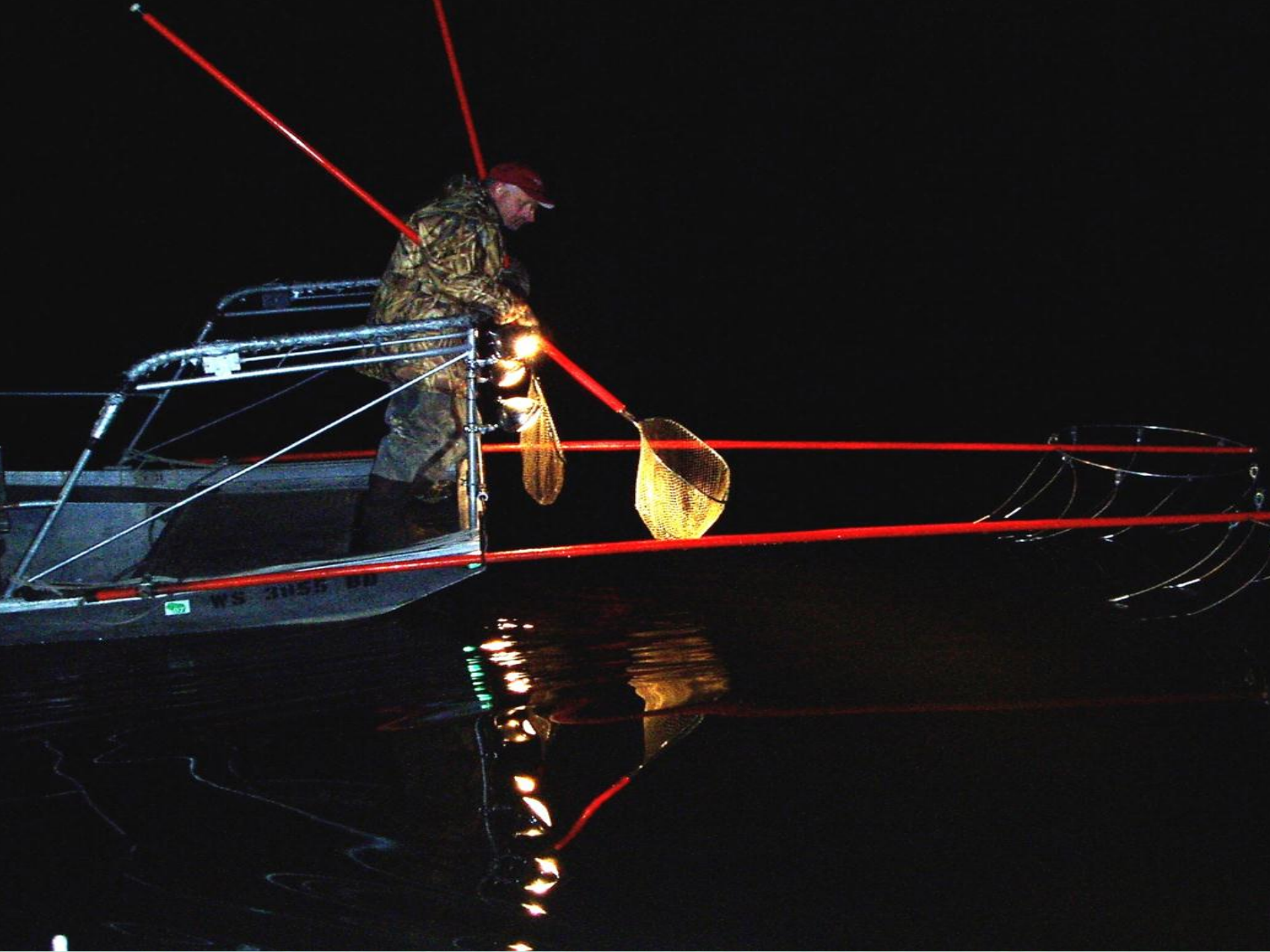
Spring Electrofishing



Deer Lake

- 15 acre seepage lake
- Max depth around 14'
- History of periodic winterkills
 - Last winterkill in 2008
 - Most likely will see a kill this year (severe?)
- No recent fisheries information





Largemouth Bass

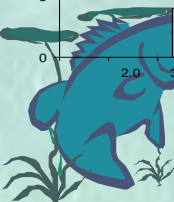
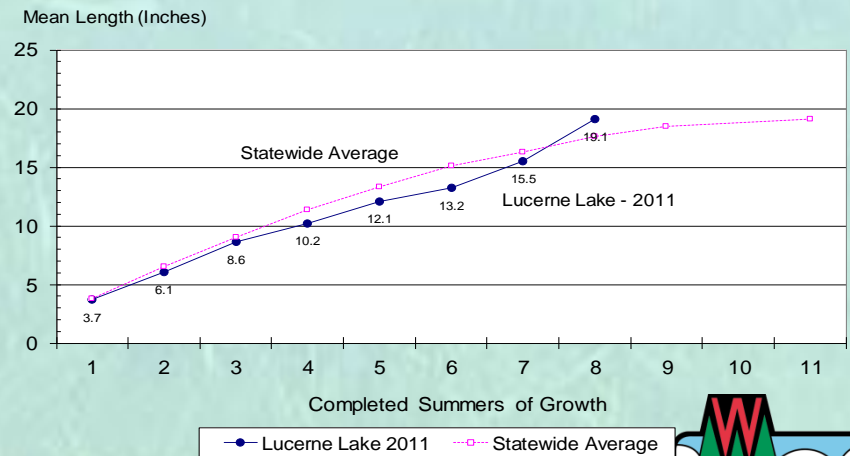
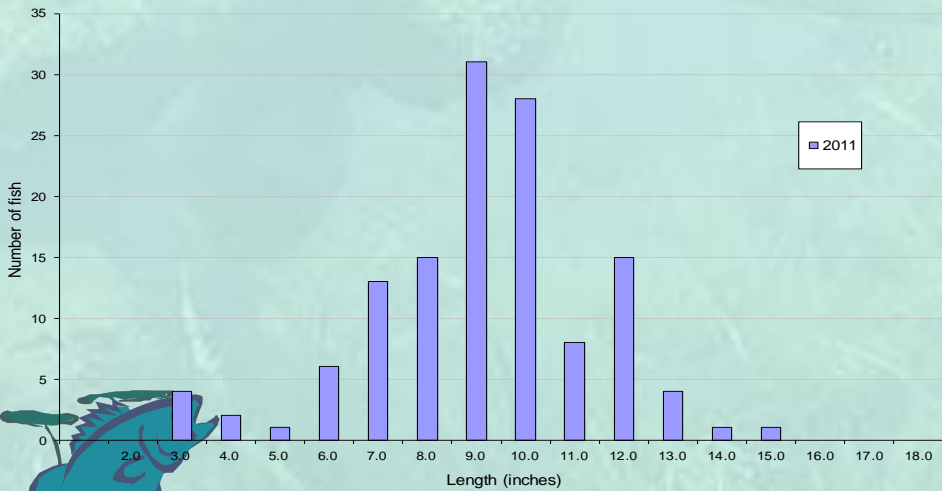
- Fairly high abundance
 - 129 captured in our survey
 - 206/hour >8"
 - Prefer closer to 150/hour
- Below average size structure
 - Mean length of 9.7" (3.5" – 19.0")
 - PSD12 = 20%
 - RSD14 = 2%
- Average growth – 14" in 6-7 years





Lake Lucerne Largemouth Bass

Largemouth Bass Growth Rates
Lucerne Lake, Waushara Co.



FISHERIES MANAGEMENT..... we make fishing better



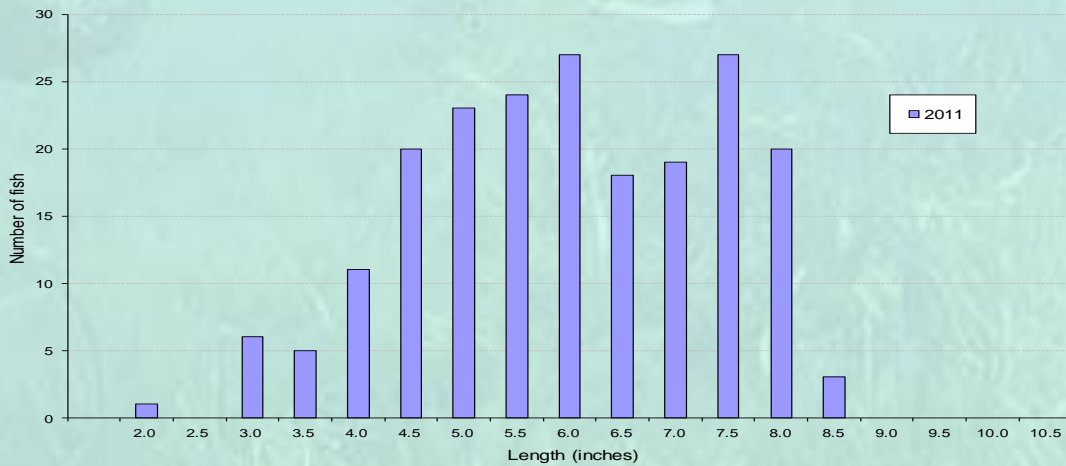
Bluegill

- Abundance good
 - 204 caught in our shocker survey
 - 406/hour
- Size structure good
 - Mean length of 6.2” (2.0”-8.5”)
 - PSD6 = 56%
 - RSD8 = 8%
- Average growth – 6” by age 4





Lake Lucerne Bluegill



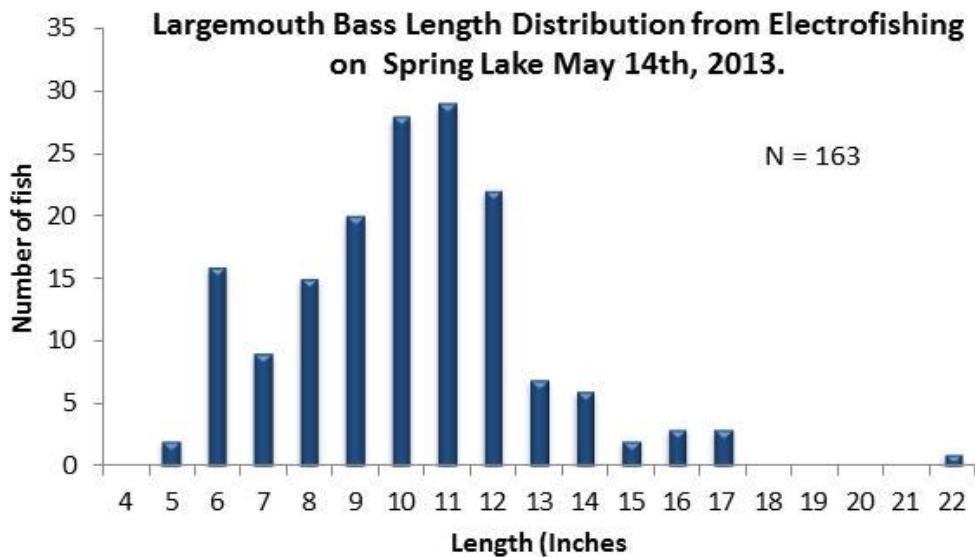
FISHERIES MANAGEMENT..... we make fishing better



Largemouth Bass

- Abundance above average
 - 163 captured in our survey
 - 125.5/hour > 8”
 - Relative abundance increased since 05
- Size structure average
 - PSD12 = 32%
 - RSD14 = 11%
- Growth below average
 - 14” by age 8





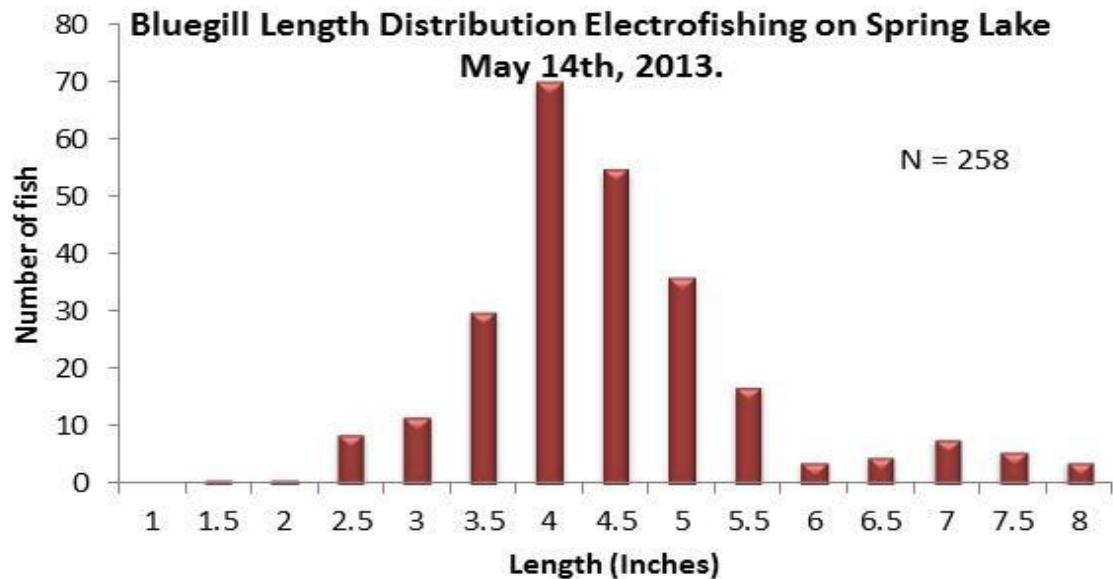
FISHERIES MANAGEMENT..... we make fishing better



Bluegill

- Above average abundance
 - 494/hour > 3”
- Size structure average
 - Mean length 5.0” (1.9” – 8.2”)
 - PSD6 = 32%
 - RSD7 = 20%





FISHERIES MANAGEMENT..... we make fishing better



Conclusion

- Habitat
 - Consistent “High” rankings in shoreline scores
 - Protection of existing habitat
 - Improve or restore areas of concern
 - Use of large woody debris in littoral area
 - Continue monitoring for “invasives”



Thank You!

Questions??



FISHERIES MANAGEMENT..... we make fishing better

