

Pleasant and Irogami Lake Management Planning Meeting

Fisheries



FISHERIES MANAGEMENT..... we make fishing better



Irogami

289 acres

Max depth around 6'

Mean depth 2.5'

History of Winterkills

Sampled in 2011

Spring Fyke Netting

Spring Electrofishing



Pleasant Lake

126 acre clear water seepage lake

Max depth around 30'

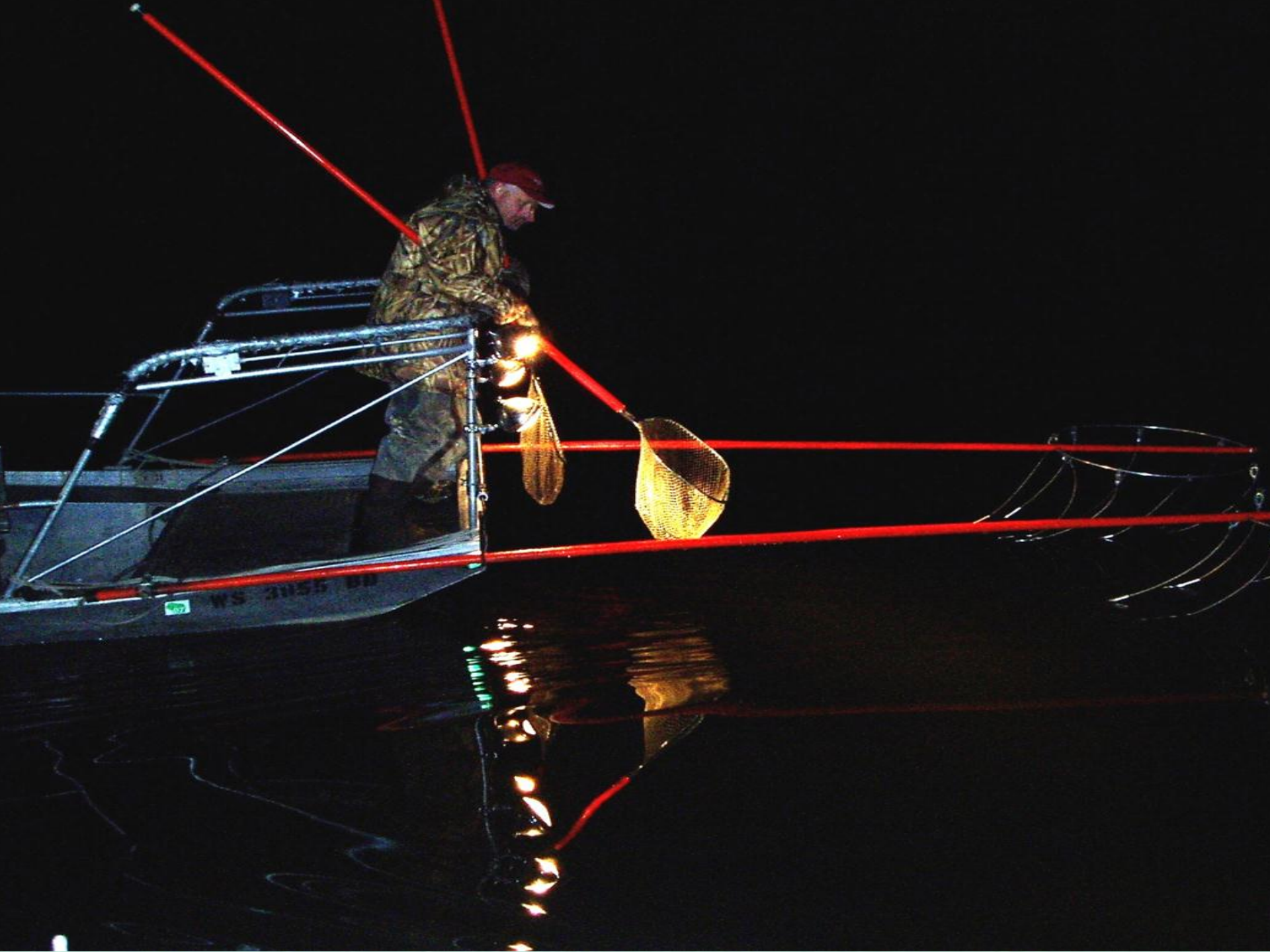
Mean depth 15'

Water level fluctuations not uncommon

Sampled in 2012

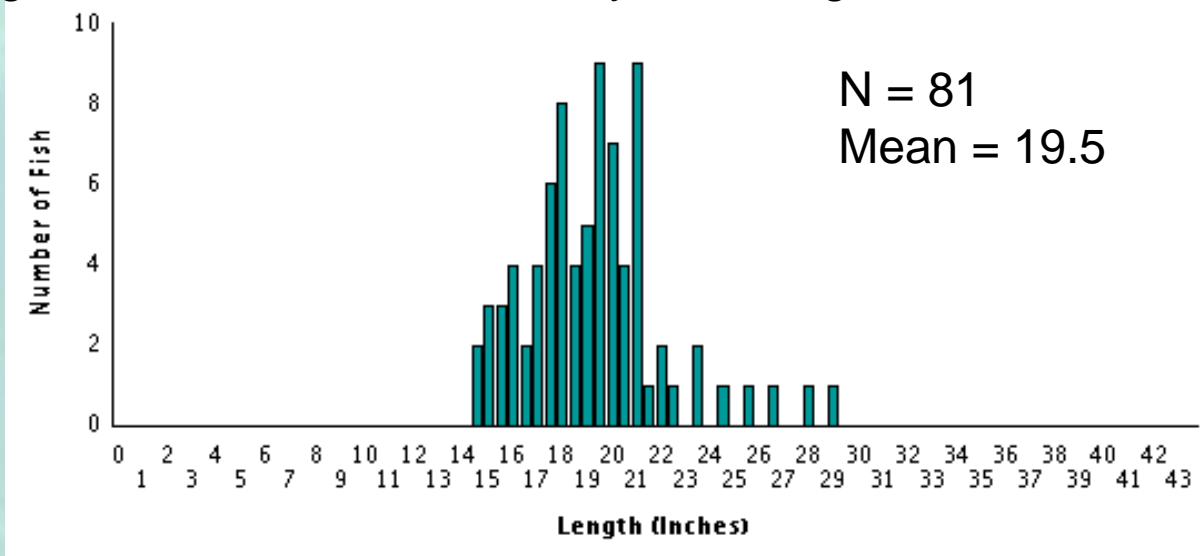








Irogami Lake Northern Pike – Fyke Netting Size Distribution



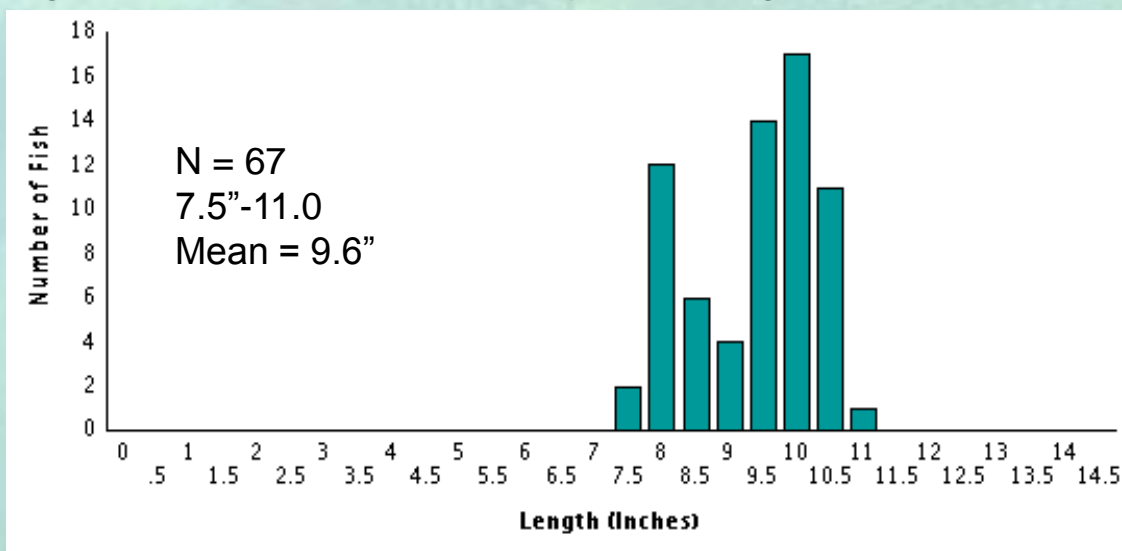
Northern Pike

- Below average abundance
 - .27/acre
 - .44/ acre in 2001
- Poor size structure
 - PSD21 = 25%
 - RSD26 = 4%
 - RSD26 = 31% in 2001





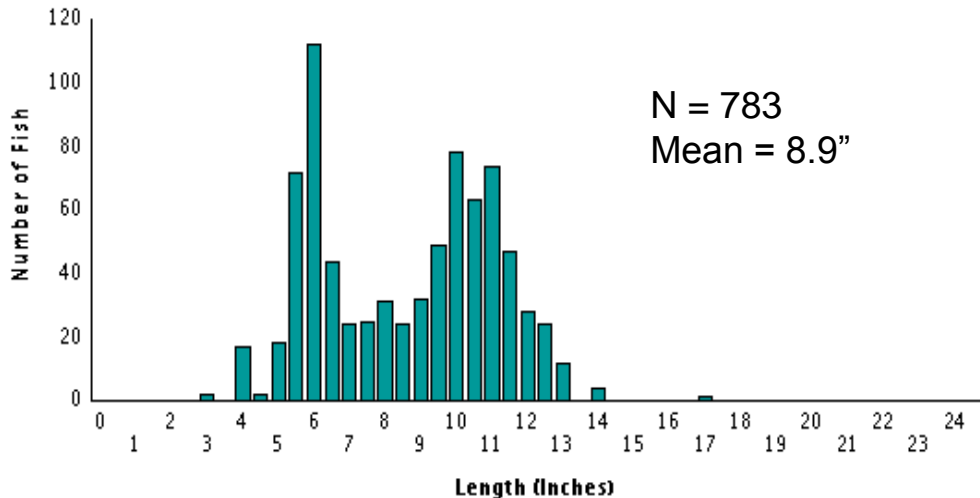
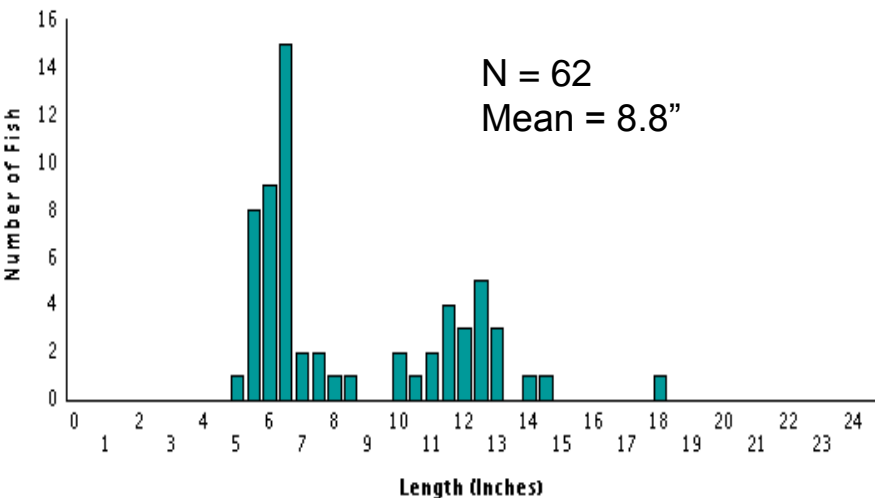
Iroigami Lake Yellow Perch – Fyke Netting Size Distribution





Irogami Lake LMB – Fyke Netting Size Distribution

Irogami Lake LMB – Electrofishing Size Distribution



Largemouth Bass

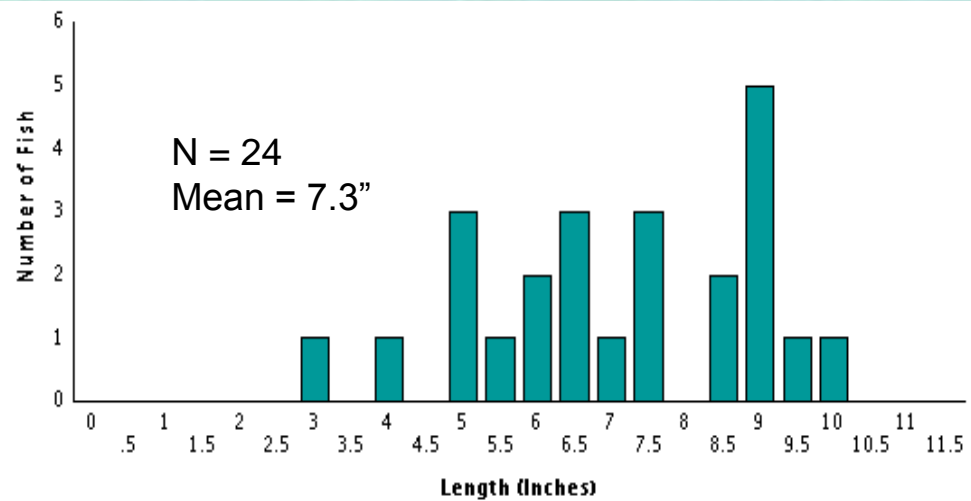
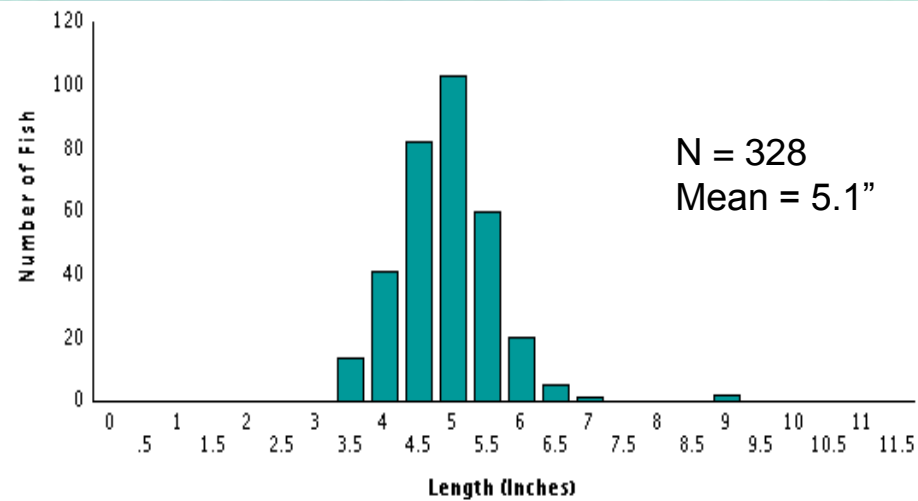
- High abundance
 - 417/hour >8”
 - Prefer closer to 150/hour
- Poor size structure
 - PSD12 = 8%
 - RSD14 = 1%





Irogami Lake Bluegill - Fyke Netting Size Distribution

Irogami Lake Bluegill – Electrofishing Size Distribution



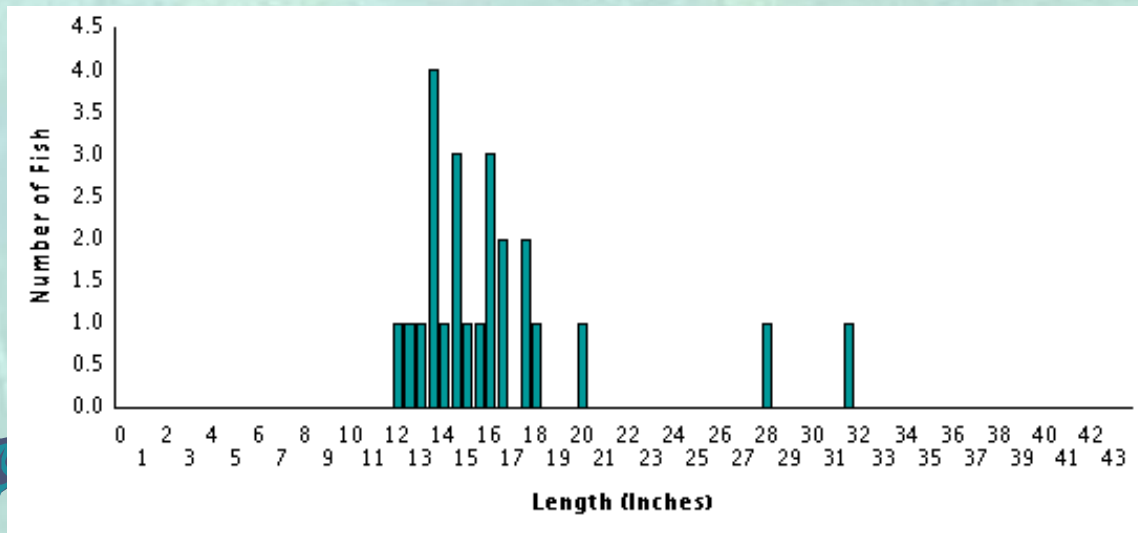
Bluegill

- Abundance low
 - Only 24 caught in our shocker survey
 - 58/hour (112/hour in 2001)
 - Winterkill in 2007
- Size structure good
 - PSD6 = 75%
 - RSD8 = 38%





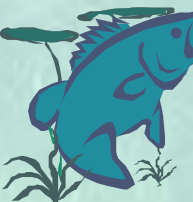
Pleasant Lake Northern Pike – Fyke Netting Size Distribution*



N = 24

Mean = 16.6

*This is not a true representation of the NP population



Northern Pike

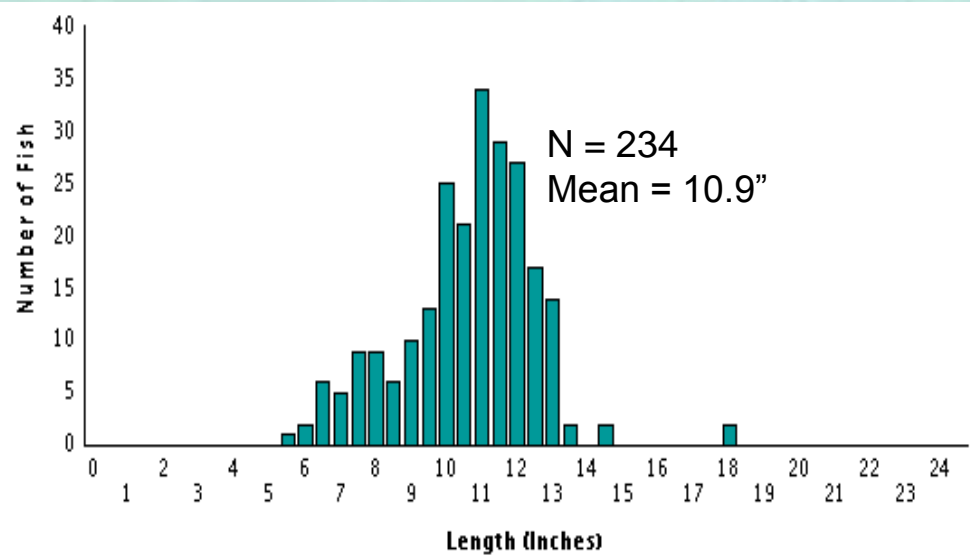
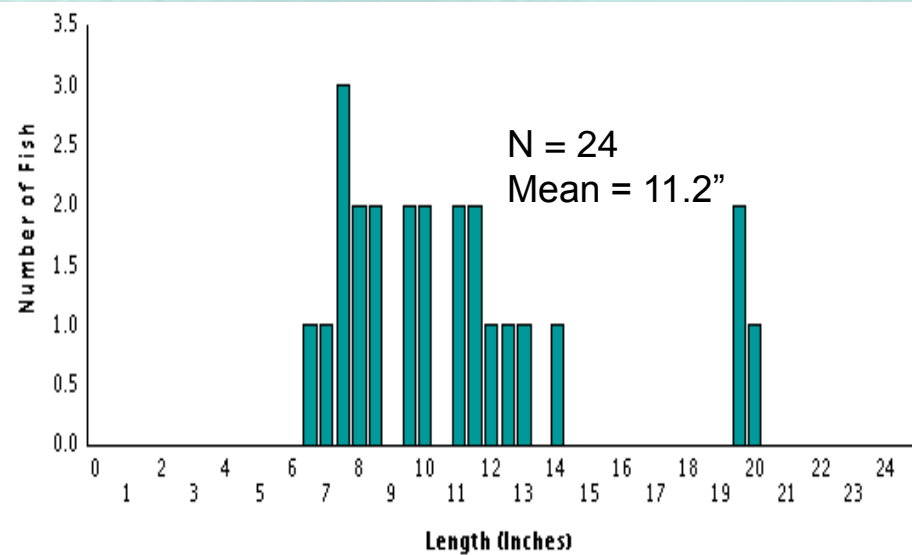
- We missed the major spawn
- Only sampled 41 fish
- Length range 10.0"-32.0"
- Mean length of 17.3"
- RSD26 = 12%





Largemouth Bass – Fyke Netting Size Distribution

Largemouth Bass – Electrofishing Size Distribution



Largemouth Bass

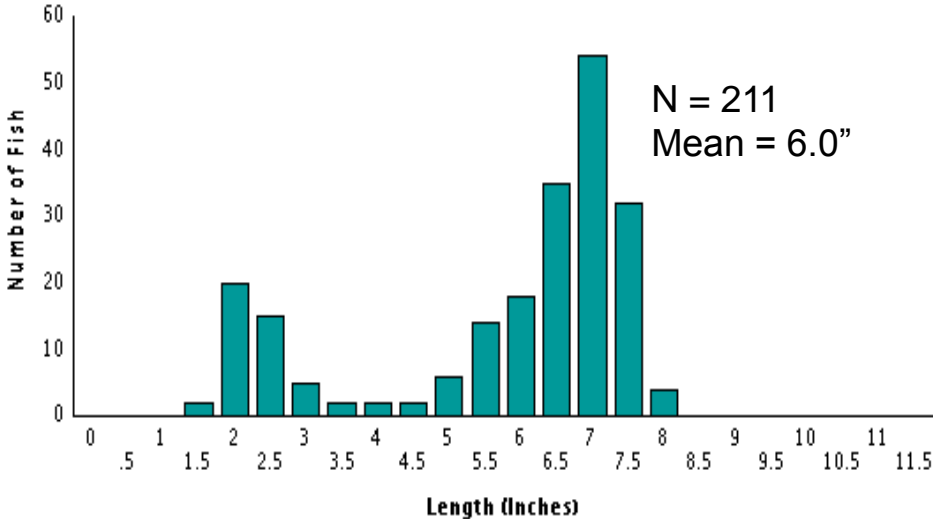
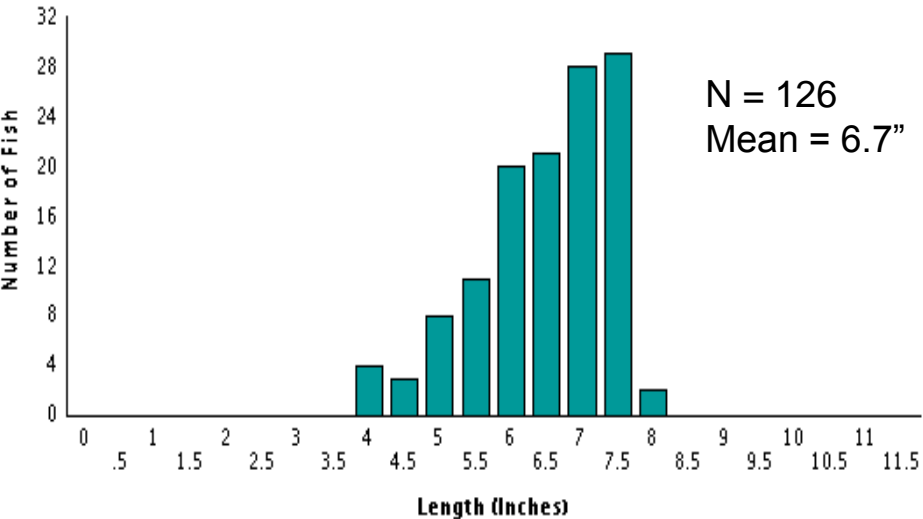
- Abundance slightly high
 - 192/hour
- Size structure fair
 - PSD12 = 30%
 - RSD14 = 2%
- Growth below average
 - 14” by age 8





Pleasant Lake Bluegill – Fyke Netting Size Distribution

Pleasant Lake Bluegill – Electrofishing Size Distribution



Bluegill

- Abundance average
 - 348/hour
- Size structure good
 - PSD6 = 82%
 - RSD7 = 52%
 - RSD8 = 2% (harvest?)
- Growth below average
 - 6" by age 5



Conclusion

- Habitat
 - Both lakes are highly developed
 - “Low” ranking
 - Protection and restoration of near shore
 - Use of Large Woody Debris LWD in Littoral Zone
- Removal of 14” size limit for LMB (Irogami)
- Lower bag limit (10?) for Bluegill



Thank You!

Questions??



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