



Specializing in Lake and Pond Management
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3/21/2022

Lake Vilbig,

Thank you for choosing Overton Fisheries to help you manage your lake. We enjoyed meeting with you to discuss your goals for the lake and look forward to helping you achieve those goals.

~130 Acre Lake

Survey Conducted 3/19/2022

Water Quality

pH:8

Alkalinity:140

Hardness:124

Visibility: 18in

These values are excellent no action is needed

Fish Sampled

Largemouth Bass- Moderate

Bluegill-Low

Redear Sunfish-Moderate

Inland Silverside-High

Threadfin Shad-Moderate

Gizzard Shad-High

Common Carp-High

Green Sunfish-Moderate

White Crappie-Low

Log Perch-Low

Longear Sunfish-Low

Spotted Gar-Moderate

Yellow Bass-Low

Warmouth-Low

Aquatic Vegetation

Filamentous Algae

Bushy Pondweed

Creeping Water Primrose

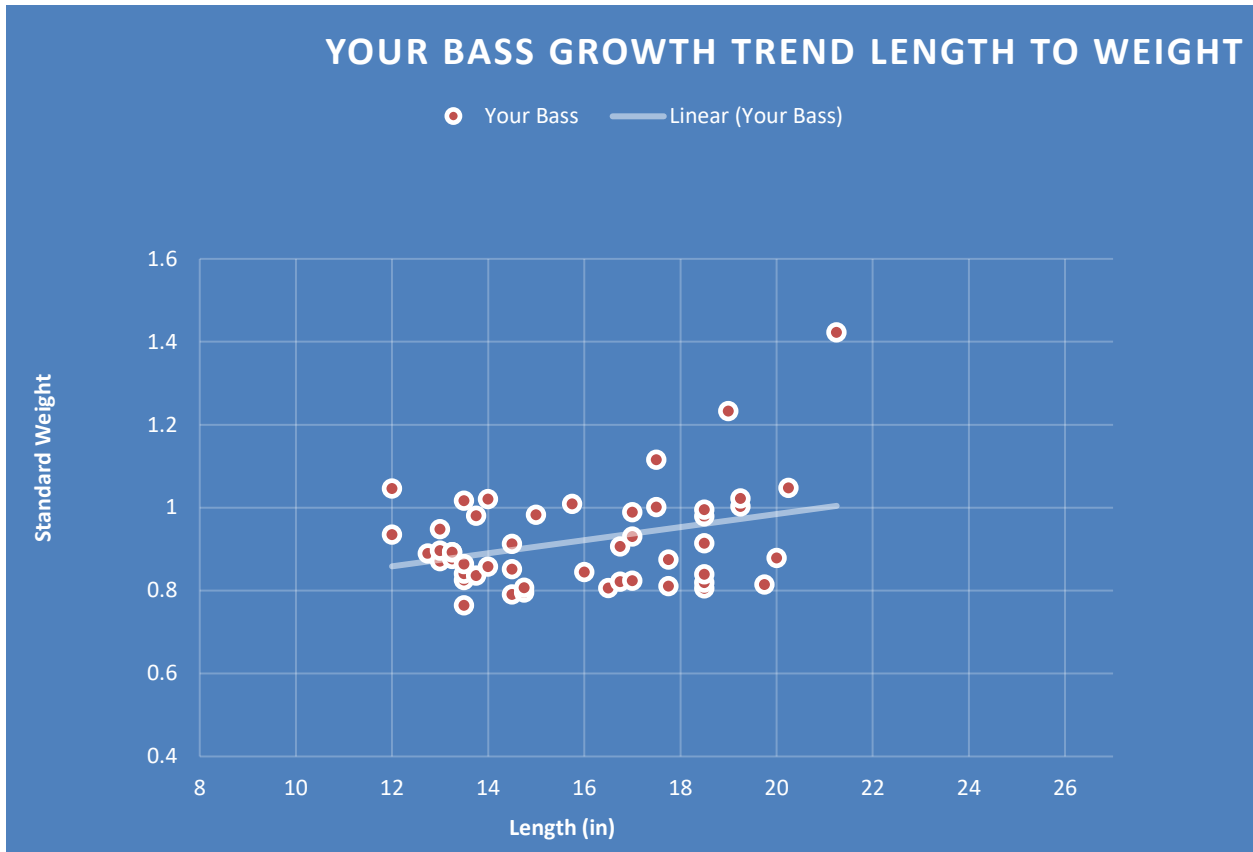
Willow Trees

Cypress Trees

Fish Population Assessment

Largemouth Bass Relative Weight: 93

Standard weight is an indicator of fish health and condition. Greater than 100 is excellent, 90-100=good, 80-90=fair, and less than 80 is poor. The average standard weight for your bass is 93. These bass are in good shape.



Note from above graph that as the size of the fish increases the condition of the fish increases slightly. This is primarily due to the large population of bigger gizzard shad in the lake.

Standard Weight by Size Class

8"-12"=99

12"-15" = 88

15"-18"=91

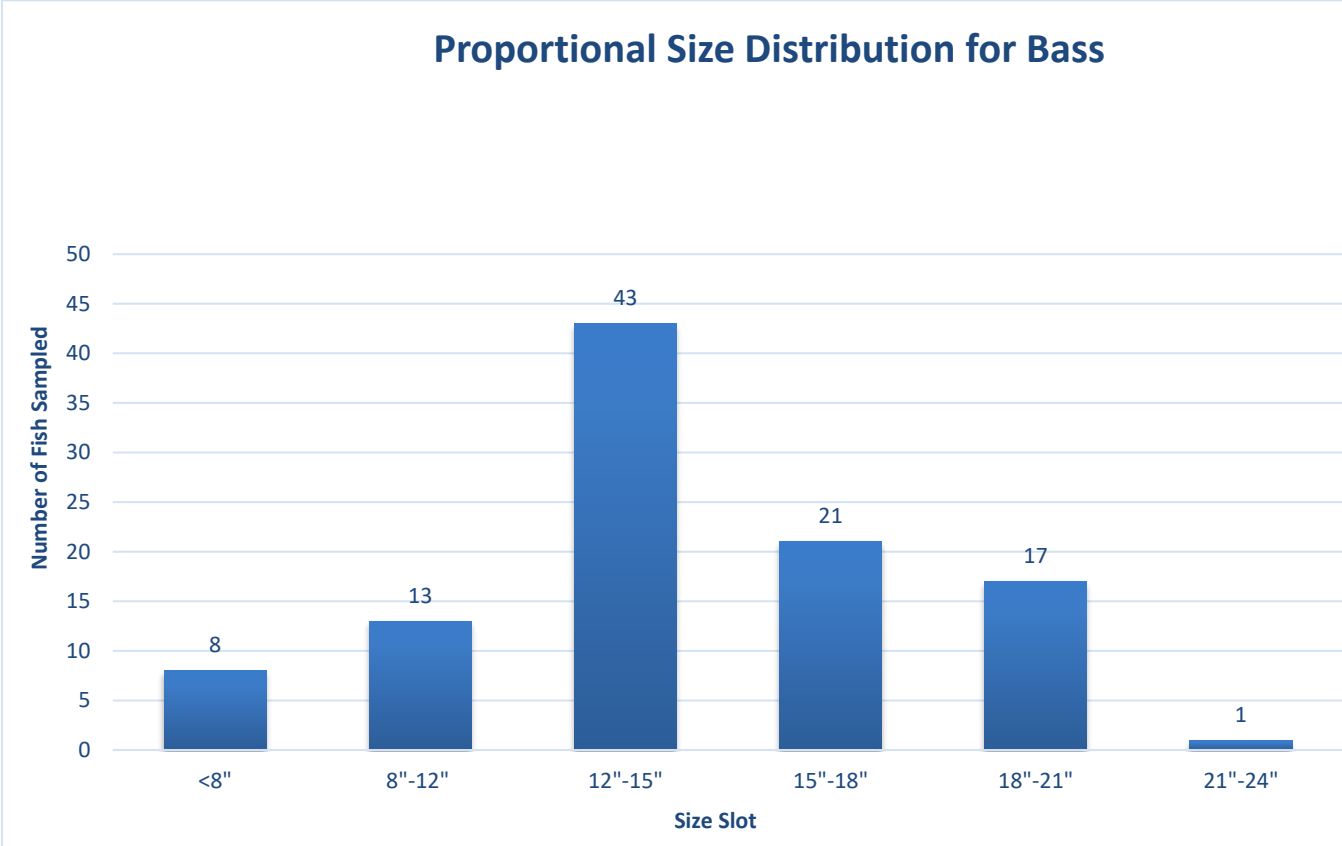
18"-21"=95

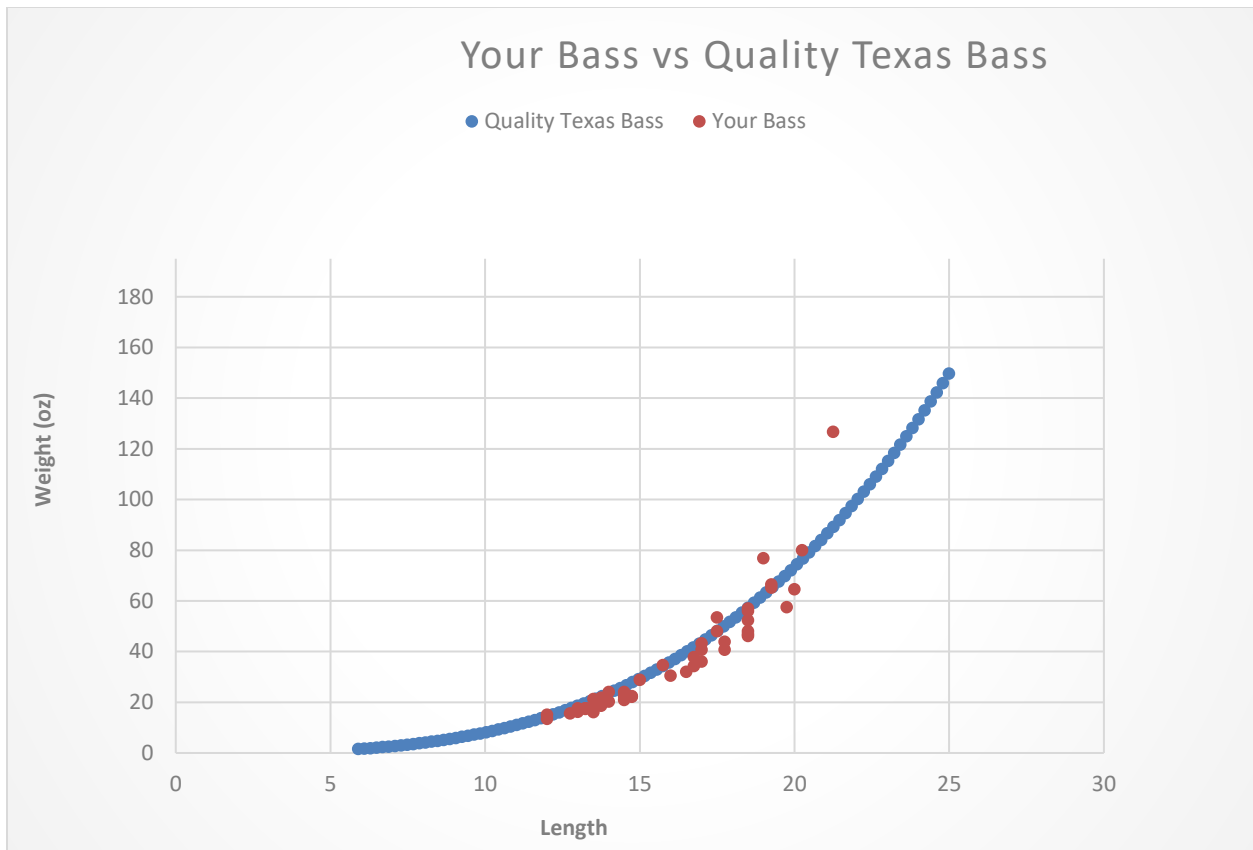
21"-24"=142 (Only one fish sampled)

Bass Proportional Stock Density: 86

Proportional Stock Density is a measurement of the balance of the population. Values between 50-70 are indicative of balanced populations. For a trophy bass lake this number should be closer to 70-80. 86 is excellent.

As you can see from the Graph below, the population is fairly balanced, although we would like to see a higher percentage of the 12"-15" fish move up to 15"-18".





This graph compares your bass to healthy bass sampled by TPWD, note that the majority of your bass are slightly lower, but the larger fish are on track or slightly higher

Summary

Bass numbers were moderate and the condition of the bass was good. <14in Bass can continue to be harvested during tournaments to offset reproduction and help increase the average size of bass.

Baitfish:

The Bluegill population was low

Threadfin Shad populations and sizes were good.

Redear Sunfish numbers were adequate for parasite control

Gizzard shad numbers were high which is helping the larger bass maintain a higher level of relative weight

The water quality is excellent, a planktonic bloom is present which is causing shad populations to thrive

Recommendations:

Continue harvesting <14in Bass during tournaments.

Stock 5000 3-5in Coppernose Bluegill @ .85 each= \$4250

Delivery=\$360

Total=\$4610

Continue adding Pure Florida or F1 fingerlings every 3-4 years to improve lake genetics

Continue adding Crawfish whenever available/feasible

Encourage property owners to supplementally feed from docks

Please let me know if you have any questions or concerns.

Thanks,

Ethan McWhorter

Overton Fisheries