

Fort A.P. Hill

Fisheries Report

2016



U.S. Army Garrison Fort A.P. Hill
Directorate of Public Works
Environmental and Natural Resources Division
Fisheries & Wildlife Branch
Date: October 2016



INTRODUCTION:

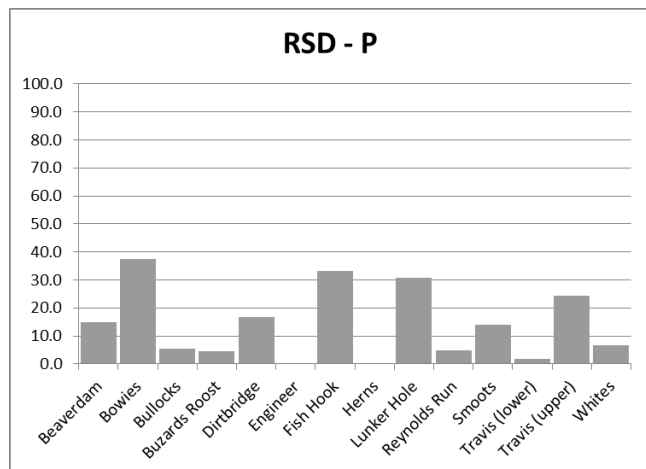
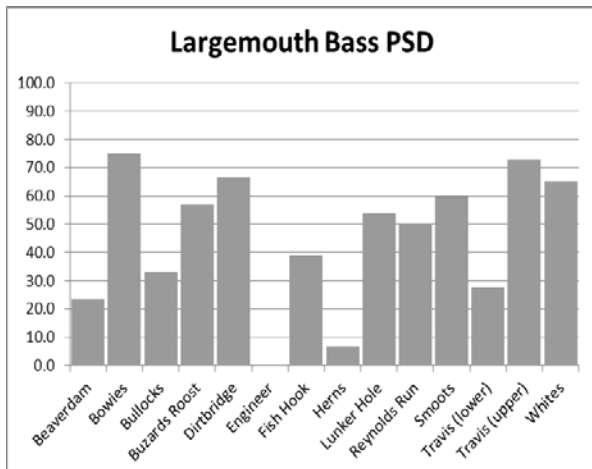
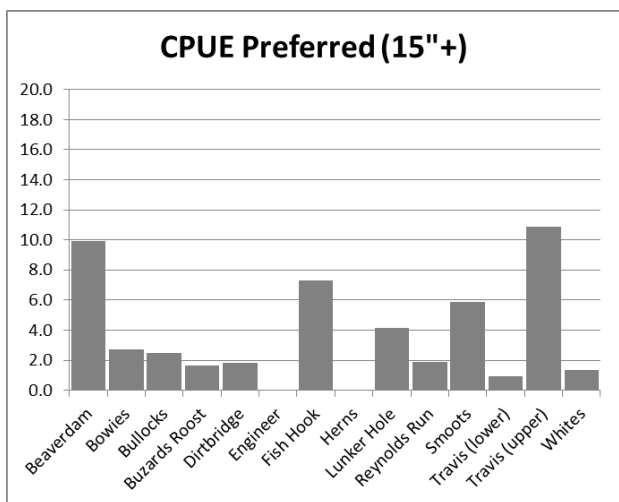
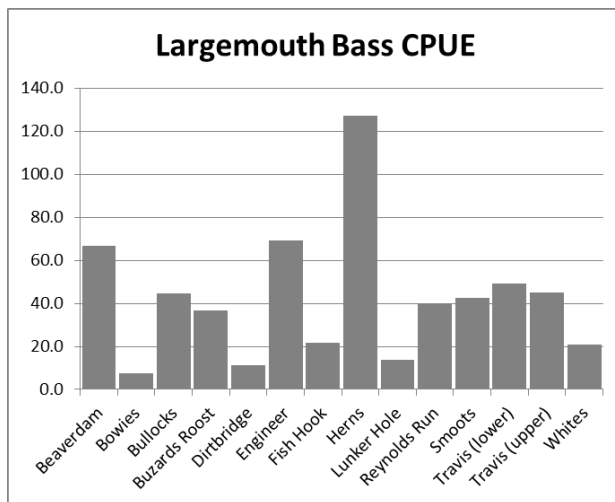
Fort A.P. Hill Fish & Wildlife Branch actively manages 14 impoundments for recreational angling opportunities. Over the past 2 seasons the A.P. Hill Biologist staff has surveyed the fish populations in all these impoundments using Boat Electrofishing techniques. Laser Range Pond drained due to a culvert failure this spring and is not currently being managed as an angling pond.

Fish species, length, weight, and overall abundance are recorded before being returned unharmed to the water. Multiple metrics are used to assess the populations for overall balance, health, growth rates are used. The following metrics are used in the tables below to give a representation of the fish populations in the major ponds of the 3 most targeted fish species (Largemouth Bass, Black Crappie, and Bluegill).

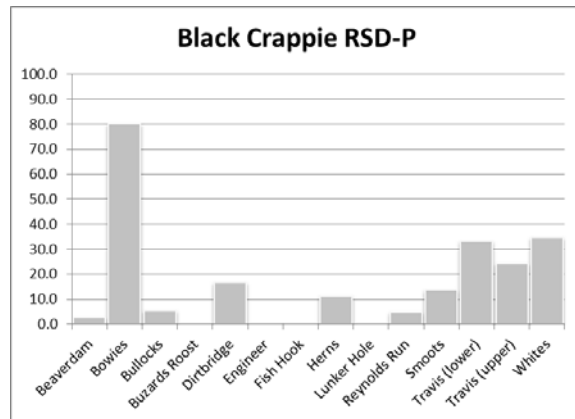
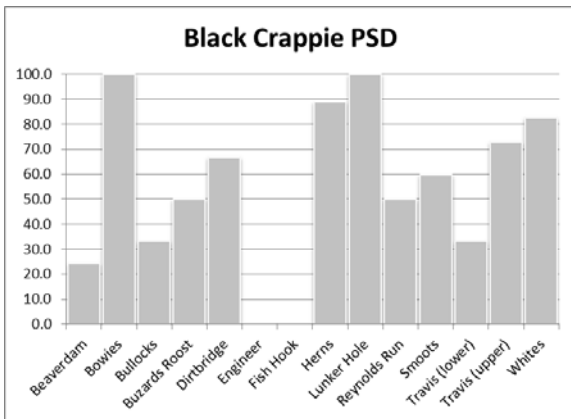
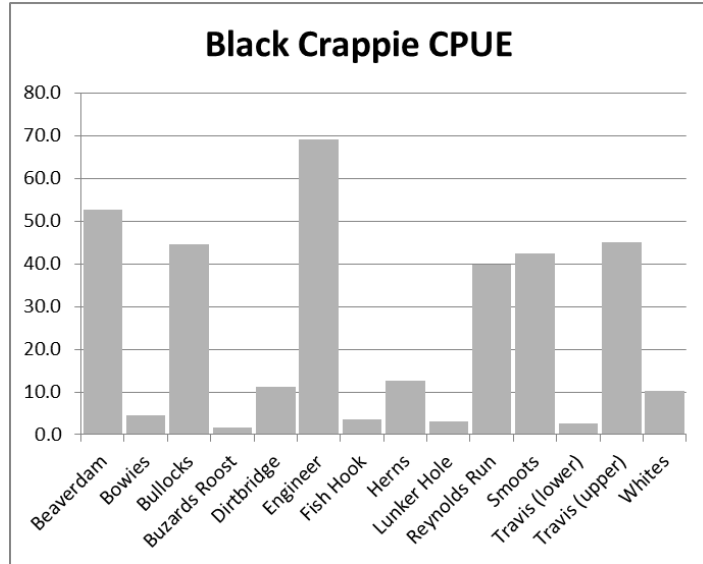
- **CPUE** = Catch Per Unit Effort. This metric displays the number of stock sized fish collected per hour of electrofishing sampling.
- **Size Class:** Size classes of fish used in fisheries management are calculated as percentages of the world record length. The size classes used in this report are **Stock** (size at which fish reach sexual maturity and enter the breeding population), **Quality** (size most anglers like to catch), and **Preferred** (for Largemouth Bass is anything over 15 inches long).
- **PSD** = Proportional Stock Density. This metric displays the percentage of stock sized fish that are quality size and larger. Balanced bass populations should have a PSD between 40 and 60% and Bluegill PSD should be between 20 and 40%.
- **RSD-P** = Relative Stock Density Preferred. This metric displays the percentage of stock sized fish that are of preferred size or larger.

These electrofishing results are intended to give you a brief summary of how each of the ponds compares with one another. Aquatic management plans specific to each location will be updated based on the results of the Electrofishing Survey, Angler Survey, Periodic Pond Inspections, and Usage and Harvest Data from iSportsman.

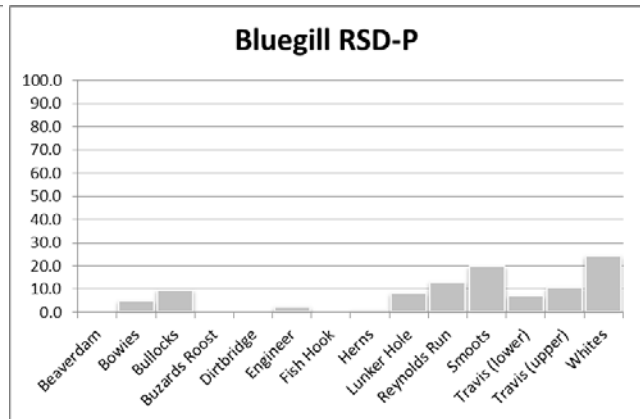
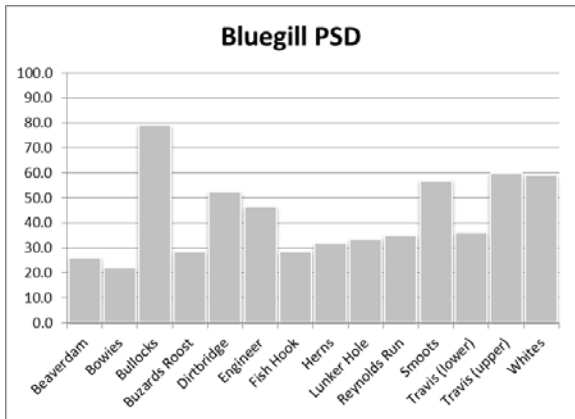
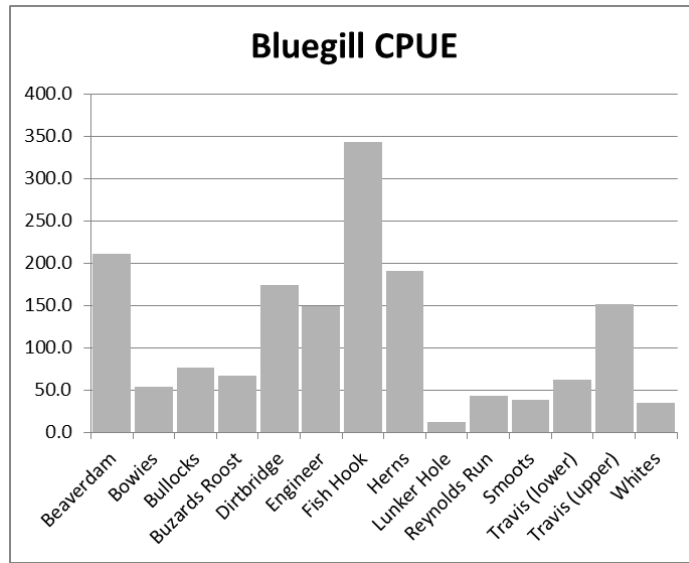
LARGEMOUTH BASS:



BLACK CRAPPIE:



BLUEGILL:



CHANNEL CATFISH:

Upper Travis, Lower Travis, Bullocks, and Beaverdam Pond were all stocked with a total of 1500lbs of catchable size Channel Catfish this season. In 2015 the Biologist staff placed 30 nesting structures in Lower Travis Lake to attempt to increase the natural recruitment of channel catfish. Upper Travis did not receive any of the structures and will serve as a control site to compare against Lower Travis in future years to assess the success of this project.



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