

Population Density Lab Questions
APES
Lindemulder

1. How did your original method of estimating population size compare to the two provided for you?
2. Which method would be most useful for estimating the size of a population *Odocoileus virginianus* (white tailed deer)? Which method would be best for the *Quercus macrocarpa* (Bur Oak)? Which method would be best for *Lumbricus terrestris* (common earthworm)?
3. How did your estimations for each method compare to the actual number? Which gave you the best results? Which gave you the worst? Why?
4. If you were trying to estimate the population density of a real species why might you have to sacrifice some accuracy in your estimation?
5. What do you have to assume to be true in order to believe your estimates of population size? What might happen in a real population of animals that would affect your results? (Give at least two assumptions)

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