1 wetland x
$$\frac{20 \text{ ft}^2}{1 \text{ wetland}}$$
 x $\frac{10 \text{ amphibians}}{1 \text{ ft}^2}$ x $\frac{100 \text{ mosquitos}}{1 \text{ amphibian eats}}$ = Total # of mosquitos eaten by amphibians

* Assuming incidence rate of disease is proportional to disease prevalence in mosquito population, we can calculate the total number of avoided human cases

Total # of mosquitos eaten by amphibians

Proportion of that carry disease

Proportion of mosquitos $R_0 = \frac{\text{Total \# of human}}{\text{cases avoided}}$