Clear and Effective Communication Student Work: Student 8A

Dear Mr. Porter,

My name is \_\_\_\_ and I am a sophomore at \_\_\_\_\_ in \_\_\_\_\_\_, Vermont. I am writing you to propose a possible solution to the deer population problem that we have here in Vermont. Over the last few decades the deer population in Vermont has been declining. However, in recent years, due to an increase in humans developing land, deer have been venturing more and more into suburban areas, such as orchards, farms and gardens. Unless we take action, this will have many devastating effects, such as more vehicle/deer collisions, and Lyme disease. I am proposing that in order to keep the deer from needing to venture into suburban areas, we need to ensure that the forests have adequate food sources for them to eat from.

 To do this we need to manage the deer habitats (forest) correctly. In areas with large amounts of unmanaged pine trees, the deer don’t have the abundance of food that they require to remain healthy without having to go into suburban areas. The lack of appropriate nutrition for deer is a limiting factor. All efforts should be focused towards thinning the pine stands so understory growth can increase and there will be more of an abundance of food for the deer to eat. Deer thrive in transitional areas between forest and meadow areas, so if we can create more places like this then the deer will stay there as opposed to venturing into our suburban area (<http://wildlifecontrol.info/pubsDocuments/Deer/Deer_management_mechs.pdf>)

 Mixed pine-hardwood types are better habitats for deer, but they still require some frequent thinning to remain stable. In most forest areas, intermediate cuts are needed every 6-10 years, because after about 10 years the tree canopy closes and understory growth decreases, which causes the deer to need to go into suburban areas for food (<http://www.clemson.edu/extension/natural_resources/wildlife/publications/pdfs/fs34_whitetailed_deer.pdf>). Prescribed burning in pine stands is also important, because it lets the understory grow and keeps the ecosystem healthy. Burning should happen every few years, during February or March. After these steps are taken there will be ecological succession and the deer population will be able to be healthy and stable. If this forest management plans happen, we will have happier and healthier deer and humans living here in Vermont.

Thank you for taking the time to read this and consider these ideas.