

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Science 10: Deep Lake Conservation Field Trip**

### What to Bring

For you: running shoes, socks, long pants, sweatshirt, light jacket, hat, water (1-2L), litter-free lunch (sandwiches, fruits and vegetables, cookies, granola bars, nut-free trail mix), sunscreen, sunglasses, medication (AS NEEDED: inhaler, epi-pen, allergy medication, etc.), toilet paper in a plastic bag

For your group: gardening gloves, garden tools, bug spray, clipboard, pencils, binoculars (optional)

### Notes:

1. You may bring your cell phone, but remember that we will likely not have service, and you run the risk of losing it in the grass!
2. You need to be able to carry all of your gear in a backpack.
3. Ms. Hayduk will have a first aid kit, but you are free to bring your own or one for your group.

### Property Watch Program

At Deep Lake, we will be helping the Saskatchewan Wildlife Federation do the following:

- Ecological inventory (quadrat sampling)
- Non-native/invasive species removal
- Survey the property for issues and help with maintenance as needed

### On the Bus

The bus ride to Deep Lake is a little over an hour. Please bring something to do – a book, homework, headphones for listening to music or watching a show, games, a small pillow for a nap, etc. Whatever you choose to do must be QUIET and should not require you to be out of your seat.

### Other Notes

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### Part 3: Plant Study

For **one** of the plants you chose for your random sampling, answer the following questions.

1. Walk around the survey area. What type of population distribution best fits your plant? Explain why you came to that conclusion. Include a picture.

2. What sort of adaptations does this plant have to help it to survive? Adaptations can include protection from predators, physical traits to help it get sunshine or water or reproductive strategies. List and explain two. Include pictures.

3. List five factors that would affect the carrying capacity of this species in this ecosystem.