**STUDENT PAGES: Questions About the GIS Dataset**

1. In the box provided below (or on a separate page), insert your pdf or jpg map you created showing gray wolf packs in the Northern Rocky Mountains during 2014:
2. What states are included in the Northern Rocky Mountain Gray Wolf Distinct Population area? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Go back into ArcMap and look at the attribute table for “Wolfpacks in Montana”. What is the name of the first wolf pack listed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Look at the attribute table for the shapefile “Wolfpacks in Idaho”. What is the name of the last wolf pack listed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Fill in the table below with the number of wolf packs in each state and in Yellowstone National Park during 2014 (Hint: you COULD count all the dots on you map OR you could open the attribute tables for each state layer)

|  |  |
| --- | --- |
|  | **Number of Wolf Packs in 2014** |
| **Montana** |  |
| **Idaho** |  |
| **Wyoming** | 32 |
| **Washington** |  |
| **Oregon** |  |
| **Yellowstone National Park** |  |

1. How many total wolf packs were documented in the Northern Rocky Mountain Gray Wolf Distinct Population Segment Area in 2014? \_\_\_\_\_\_\_
2. How many of these wolf packs were inside **Glacier National Park**? \_\_\_\_\_\_\_\_\_ (Hint: you will need to use the Zoom tool in ArcMap to see which packs are inside the boundary for Glacier National Park, located in northern Montana. Zoom in close, some packs are near the boundary).
3. There has been a lot of media attention focused on the gray wolves that live inside **Yellowstone National Park**. What percentage of the Northern Rocky Mountain Gray Wolf packs lived inside Yellowstone National Park in 2014? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Since the gray wolf delisting in 2011, the wolves that live INSIDE Yellowstone Recovery Area have been managed differently than the wolves that live OUTSIDE Yellowstone Recovery Area **in Montana and Idaho**. Why?

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1. In the Introductory Video, you learned that gray wolves were all but extirpated in the Northern Rocky Mountains. By the 1930s, just a handful of wolves remained in Montana. In 1995-96, a total of 66 wolves were reintroduced into Central Idaho and Yellowstone National Park. Based on the map you created, would you say that wolves have been able to geographically expand into areas beyond the initial reintroduction sites in Central Idaho and Yellowstone?

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1. Based on your assessment of the map layout you created, and the data you used to create that map, what can you say about the number of wolf packs in the Northern Rocky Mountains?

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