Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Map Analysis Worksheet**

* Access the National Gap Analysis Program (GAP) Protected Areas Data Viewer.

<http://gis1.usgs.gov/csas/gap/viewer/padus/Map.aspx>

* Click and drag to move to the Hawaiian Islands on the map. Notice its isolated location from all other landmasses. Center the Hawaiian Islands on the map.
* Use the zoom gauge in the upper left area to zoom in and center Maui on the map. Zoom in about halfway so that you can view the entire island of Maui.
* Be sure that under the “Build a Map” area on the left:

“Select a Protected Land View” is on “By Owner” (you can also adjust the transparency)

“Select a Base Map” is on “Basic Reference”

1. What is the name of your nearest National Park Service (NPS) site? (Hint: Click on it for more

Information.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What is the “Ownership Type”? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What is its “Gap Status”? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. What is the “Designation type” of this area? (Hint: there are 2, click on a few different areas)

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5. What is the size in acres of each of these protected areas?

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* Scroll down to the bottom of the “build a map” area.
* Under “Select a Base Map” choose “USGS Topographic”
* Zoom in further on Haleakalā National Park. (Hint: Use the toggle on Ownership transparency to see elevation)

6. What is the highest elevation you can find within the park? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. What is the Hawaiian Name of this location? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. What is the lowest elevation found within the park? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Predict what effect the elevation would have on the biodiversity found in the park. Why?

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