CalNat Assignment ~ Class 3

Chapter 5 – Forest, Woodland, and Range Resources and Management

1. History of California forests and their management:
2. Who was Gifford Pinchot? What was his role in changing forest management in the United States?

b. How did John Muir’s philosophy influence forest practices on federal lands?

1. How have recent practices incorporated a more “ecological” approach to forest management?

2. Forest dynamics:

a. What are some forest disturbances that impact species composition, and the structure of a forest stand?

b. What is succession? What species would you expect to see in an area recently exposed to a large disturbance?

3. California forests and wildfire:

a. What human and ecosystem benefits arise from managing forests with wildfire?

4. Fragmentation and forests:

a. What are some of the key drivers for forest fragmentation in California?

1. What are some of the problems created by habitat fragmentation?

5. Carbon sequestration:

a. How do forests sequester carbon?

6. Rangelands and livestock grazing management:

a. How do grazing animals influence the species makeup of grasslands?

b. How can ranchers ensure long‐term sustainability in their grazing practices?

7. Conservation biology:

a. How do habitat continuity and size effect conservation efforts?

On-going evaluation:

• What has worked well so far in the California Naturalist course at SSI?

• Opportunities for change?

• Anything else?