

Dendrology (Botany 205) Video Study Guide
Tapping our Roots. Water and the Forest Service (12 minutes)

1. What percentage of Earth's surface is water? What percentage of Earth's water is fresh? What fraction of Earth's fresh water is renewable?
2. What fraction of the US is forested? What fraction of the total water used in the US originates from these forests?
3. Why and how was the natural habitat in the Los Angeles region destroyed?
4. What is the current state of the Los Angeles river? What efforts is the Forest Service making to restore the Angeles National Forest urban watershed? Why are these efforts important?
5. What two (three, if you count the Hudson Bay watershed which drains north into Canada) major watersheds have their origins in the Northern Rocky Mountains? How much of the United States obtains their water via these watersheds?
6. What are the three primary functions that forests play in a watershed? What other objectives have to be taken into consideration with regard to the management of watershed forests?
7. Historically, what factors have had negative impacts on the health of the Chesapeake Bay watershed?
8. How large is the Chesapeake Bay Watershed? How many people currently live within this watershed?
9. What specific activities has the Forest Service undertaken to restore the health of this watershed?
10. What are the functions of Riparian Forest Buffers in a watershed?
11. What is the importance of water to you and human society? What can you do to help protect this vital natural resource?