

2016 Soils Practicum: Part 2

Questions 1-10 are in Part 1 and refer to the soil monoliths at the front of the room.

Questions 11 through 25 refer to the Custom Soil Resource Report for an area of Lane County, Oregon and the abstracted pages from the 1987 Soil Survey of Lane County Area. Based on these resources, answer the following questions.

- 11.) What river flows across the area of interest (AOI) in Lane County?
- Long Tom River
 - Blue River
 - Row River
 - Willamette River
- 12.) What symbol on the map would indicate a closed depression?
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- 13.) Which soil type (map unit name) dominates the acreage in the AOI?
- Ritner cobbly silty clay loam, 30 to 60 percent slopes
 - Peavine silty clay loam, 30 to 60 percent slopes
 - Peavine silty clay loam, 3 to 30 percent slopes
 - Briedwell cobbly loam, 0 to 7 percent slopes
14. How many map units in the AOI have at least some acreage with zero slope?
- Three
 - One
 - Four
 - Two
15. How many acres of surface water are in the AOI?
- 2.0
 - None
 - 47.0
 - 19.0
- 16.) If we compare a map of South Dakota to one from West Virginia what would be the major difference?
- West Virginia would have fewer soil types listed.
 - No map exists for West Virginia.
 - West Virginia would have few roads running in straight lines.
 - South Dakota has no survey.

- 17.) In the AOI, which map unit symbols are listed as “All areas are prime farmland”?
- a.) 1A, 20B, 70E, 89D, and 89E
 - b.) 1A, 1B, 63C, and 89C
 - c.) 113C, 104E, 70E, 20B, and 36D
 - d.) 89D, 89E, 72F, 58F, and 138G
18. For the Briedwell cobbly loam, what is the capacity of the most limiting layer to transmit water?
- a.) 0.06 to 0.20 inches/hour
 - b.) 0.00 to 0.06 inches/hour
 - c.) 0.20 to 0.57 inches/hour
 - d.) 0.57 to 1.98 inches/hour
19. What is the depth to a restricted feature for the Peavine silty clay loam with 3 to 30 percent slopes?
- a.) 20 to 40 inches
 - b.) 12 to 20 inches
 - c.) 40 to 60 inches
 - d.) More than 80 inches
20. Which soil map units have a landform setting of stream terraces?
- a.) 1A, 70E, and 89C
 - b.) 36D, 58 D, and 63C
 - c.) 89D, 89E, 89F, and 138G
 - d.) 1B and 20 B
21. Which major city is located in the Lane County Area of Oregon?
- a.) Corvallis
 - b.) Eugene
 - c.) Roseburg
 - d.) Newport
22. Which river has a unique drainage pattern according to the soil survey?
- a.) Siuslaw River
 - b.) McKenzie River
 - c.) Long Tom River
 - d.) Willamette River
23. What crop has become the main crop on the poorly drained soils in the northern part of the county and an important crop on soils developed on terraces?
- a.) Strawberries
 - b.) Grass seed
 - c.) Sweet corn
 - d.) Douglas-fir

24. The climate of Lane County is greatly tempered by which of the following?
- a.) Winds from the Pacific Ocean
 - b.) Coastal mountain ranges in the county
 - c.) Chinook winds from the upland terraces
 - d.) Lack of summer rainfall
25. What percentage of the Lane County soil survey (not just the AOI) is woodland and what species is dominant?
- a.) Approximately 50 percent; Ponderosa pine
 - b.) Approximately 75%; Douglas fir
 - c.) Less than 30%; Western hemlock
 - d.) Approximately 85%; Douglas fir