

Part 2. - Refer to the Monmouth Quadrangle (maps located on table in lab)

2-1. What is the fractional scale, contour interval, and magnetic declination of this map?

a) Scale: b) Contour Interval: c) Declination:

2-2. What quadrangle maps are located immediately adjacent to the Monmouth Quad.?

a) North: b) South: c) East: d) West:

2-3. What is the quadrangle size series of this map (in long. and lat.)?

2-4. What is the date of publication of this map?

2-5. What is the name of the major river system flowing through this area. Of What larger drainage basin(s) does this river form a part of?

2-6. What is the approximate elevation of the Natural Sciences Building based on the map representation?

2-7. Given the fractional scale determine the following

5 inches on the map= _____ Feet on ground = _____ Miles on ground.

10 inches on the map= _____ Meters on ground = _____ Kilometers on ground.

2-8. A. What is the road distance in miles along Rt. 99 between Helmick State Park and Monmouth city limits?

B. What is the distance in kilometers?

2-9. A. What is the highest point of elevation represented on this map?

B. What is the lowest point of elevation represented on this map?

C. What is the maximum relief.

2-10. A. What is the longitude and latitude location of the road intersection at Buena Vista

B. What is the longitude and latitude location of Davidson Hill?

C. What is the straight line distance in miles between these two points?

D. What is the azimuth bearing FROM Davidson Hill TOWARDS Buena Vista?

E. What is the quadrant bearing FROM Buena Vista TOWARDS Davidson Hill?

2-11. A. What is the nature of the topographic slope in the vicinity of the town of Monmouth? What is the local relief between WOU and the Willamette adjacent to Independence?

2-12. Determine the elevations of the following locations:

A. Wigrich

B. Oak Hill (SC)