

**City of Dallas ASR Fieldtrip  
Review Questions**

**Name**\_\_\_\_\_

Read the ASR Feasibility Study by Golder Associates, answer the following questions BEFORE attending the field trip.

1. Define the following terms:
  - a. WTP
  - b. ASR
  - c. MGD
  - d. SRV
  - e. DEQ
  - f. OAR
  - g. OWRD
2. Provide a 2-sentence description of the physiographic setting of Dallas, Oregon.
3. What watershed is the Dallas treatment plant facility located in?
4. What USGS quadrangle is the WTP and ASR located on?
5. What are the dominant bedrock units located in the ASR area? List and describe the geologic units in ascending order, from bottom to top.
6. What is the primary aquifer material at the ASR study site?

7. What was the total depth drilled for the ASR test well?
8. Is this a granular aquifer or fractured? Confined or unconfined?
9. Define the following terms
  - a. Downhole survey
  - b. Caliper log
  - c. Conductivity
  - d. Fluid resistivity
  - e. Observation well
  - f. Test Well
  - g. Pump test
  - h. Step-Rate Pump Test
  - i. Static Water Level (SWL)
  - j. Depth to Water (DTW)
  - k. Specific capacity
  - l. Drawdown
  - m. Well interference