



## Upper Salmon River Watershed Vocabulary and Comprehension Questions

Name \_\_\_\_\_

**Vocabulary:** Spawning, Endangered, Salmon, Stewardship, Yield, Riparian, Habitat, Tributary, Rural, Viable, Cumulative, Surface water, Ground water, Recharge

### Questions:

1. What type of irrigation system did the Phillips switch to?
2. What type of results did they see?
3. About how many ranchers in the Upper Salmon Basin have participated in this program?
4. How long did it take for Chinook Salmon to return to spawning in Iron Creek after the project was completed?
5. Was the project easy or difficult for the Phillips?
6. How much did the project cost?
7. By converting to sprinkler irrigation, when did the Phillips have more water?
8. What other types of projects has the Upper Salmon Basin Watershed Program supported?
9. What do ranchers have most control over?
  - a. Habitat improvement
  - b. Hydropower Dam renovation
  - c. Salmon harvest
  - d. Weather patterns

**After the video, answer the following questions:**

10. Why would maintaining a rural community be important to Salmon Habitat?

11. Why don't all ranchers convert to sprinkler irrigation immediately, because it produces higher yields of hay?

12. Where does the groundwater used for sprinkler irrigation wells come from? How is this water returned to the soil?

## KEY

### Questions:

1. What type of irrigation system did the Phillips switch to?  
**Sprinkler**
2. What type of results did they see?  
**Almost instant results**
3. About how many ranchers in the Upper Salmon Basin have participated in this program?  
**75**
4. How long did it take for Chinook Salmon to return to spawning in Iron Creek after the project was completed?  
**One year**
5. Was the project easy or difficult for the Phillips?  
**Difficult**
6. How much did the project cost?  
**\$750,000**
7. By converting to sprinkler irrigation, when did the Phillips have more water?  
**In the late summer**
8. What other types of projects has the Upper Salmon Basin Watershed Program supported?  
**Riparian fencing, restoration, screening irrigation diversions, removing obstacles to spawning salmon.**
9. What do ranchers have most control over?
  - a. **Habitat improvement**
  - b. Hydropower Dam renovation
  - c. Salmon harvest
  - d. Weather patterns

### After the video, answer the following questions:

10. Why would maintaining a rural community be important to Salmon Habitat?  
**A rural community encourages healthy ecosystems because it keeps streams open, and discourages development**
11. Why don't all ranchers convert to sprinkler irrigation immediately, because it produces higher yields of hay?  
**The cost in money and time**
12. Where does the groundwater used for sprinkler irrigation wells come from? How is this water returned to the soil?

**It comes from precipitation that has soaked into the ground, it is returned to the soil through irrigation, some of the irrigation water soaks into the ground and some of it evaporates and returns through precipitation.**