

## Environmental Teacher's Guide

### Concepts for Environmental Field Trip

1. Why we care about water quality
2. Review what a watershed is and locate your school's watershed
3. How does restoration impact water quality
4. How does restoration also affect salmon habitat
5. Vocabulary

### Discovery on PowerZone

Review how the water cycle and water systems <https://powerzone.clarkpublicutilities.com/learn-about-water/systems/>

Restoration: <https://powerzone.clarkpublicutilities.com/learn-about-the-environment/clark-pud-stream-team/restoration/>

Review Salmon in the PNW: <https://powerzone.clarkpublicutilities.com/learn-about-the-environment/animals/animal-identification/salmon/?highlight=salmon>

- Q: How many trees have the stream team planted since 1992?
  - A: More than one million!
- Q: What are a few ways that stream restoration projects improve the quality of a site?
  - A: Adds habitat, lowers water temperature, improves stream structure, reduce erosion, improve water quality, strengthens food chain...
- Q: How many aquifers provide Clark County with water?
  - A: Four: Recent Alluvial, Troutdale, Sand and Gravel, and Fractured Basalt Formation Aquifers
- Q: Why are salmon considered a keystone species?
  - A: They are a species that the entire ecosystem depends on. Their lifecycle is deeply connected to the surrounding environment and food chain.

Watersheds: <https://powerzone.clarkpublicutilities.com/learn-about-the-environment/clark-county-watershed/>

Find my Watershed: <https://powerzone.clarkpublicutilities.com/learn-about-the-environment/clark-county-watershed/watershed-map/>

- Q: What are some different bodies of water found on Earth?
  - Ocean, lake, river, bay, stream, watershed, etc.
- Q: What watershed do you live in?

Curious about Careers in Water and the Environment (videos):  
<https://powerzone.clarkpublicutilities.com/clark-public-utility-careers/>

## Activities

Coloring, Crosswords, and Wordsearches (Online or Printable)

- [Meet Woosh](#)
- [StreamTeam Crossword](#)
- [Salmon Crossword](#)
- [Salmon Wordsearch](#)
- Salmon Lifecycle Coloring Sheets ([egg](#), [alevin](#), [fry](#), [smolt](#), [adult](#), [spawner](#), [whole lifecycle](#))