Explore Your Watershed Teacher Packet

**Lesson Objective:**
Students will discover that we all live in a watershed by participating in a mapping activity. Then using a model, we’ll demonstrate sources of pollution specific to the Boise River and how our actions can affect those who live downstream.

**Standards Covered:**
ESS2 – 3-1, ESS2 – 4-1, ESS2-4-2, ESS3 – 4-2, ESS2 – 5-1, ESS3 – 5-1, ESS2 – MS-4, ESS3 – MS-3, ESS3-MS-4

**Student Supplies:**
Each student will need:
- 2 pieces of white paper and 1 colored marker (whatever color they have available)
- 1 Pen/Pencil

**Supplemental Resources:**

- Crumple-A-Paper-Watershed activity, 9-minute video
  [www.youtube.com/watch?v=2XiwVG88HCg&list=PLxk-OCRZMv87DSX7IFYsS5bYh7ygXS_K&index=22](https://www.youtube.com/watch?v=2XiwVG88HCg&list=PLxk-OCRZMv87DSX7IFYsS5bYh7ygXS_K&index=22)

- EPA EnviroMapper: An interactive map that allows the user to type in an address or waterbody, identify watersheds and where water travels.
  To outline watersheds, select from the menu: More Data > Additional Data Layers > Water Features > check the box labeled ‘Watersheds (HUC8)’
  [geopub.epa.gov/myem/efmap/index.html](http://geopub.epa.gov/myem/efmap/index.html)

- Treasure Valley Water Atlas (BSU): A resource for educators to learn more about water in the Treasure Valley. Explore our water source, water law, delivery, uses and potential future.
  [www.boisestate.edu/hes/tvwa/](http://www.boisestate.edu/hes/tvwa/)

- US Bureau of Reclamation Storage Reservoirs ‘teacup’ diagram: Visually see how much water is currently being stored in the Boise River reservoirs.
  [usbr.gov/pn/hydromet/boipaytea.html](http://usbr.gov/pn/hydromet/boipaytea.html)

- USGS Real-Time Stream Flow: compare historical streamflow to current. Enter ‘Boise River’ or stream gage # 13206000 for Boise River Glenwood Bridge location
  [http://water.usgs.gov/waterwatch/?m=real&r=id](http://water.usgs.gov/waterwatch/?m=real&r=id)

**For more information, please contact:** Boise WaterShed, (208) 608-7300, BW@cityofboise.org