



PUBLIC WORKS DEPARTMENT

BOISE WATERSHED

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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-0CRZMv87DSX7IFYsS5bIYh7ygXS_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
- 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/
- 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
- 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>

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