



# WATERSHED 360°

EPISODE 7 | "KEEPING CURRENT" (2:54)

Nebraska Social Studies and/or Science Standards Addressed

### Geography-Location and Place

SS 4.3.1 Explore where (spatial) and why people, places, and environments are organized in the state and around the world.

SS 4.3.1.a Use local and state maps and atlases to locate physical and human features in Nebraska.

### Geography-Human-Environment Interaction

SS 4.3.3 Explain how human and natural forces have modified different environments in Nebraska and how humans have adapted.

SS 4.3.3.d Describe how humans have adapted to Nebraska's physical environment and use available natural resources.

### Geography-Geospatial Skills and Geo-literacy

SS 4.3.5 Use geographic skills to make connections to issues and events.

SS 4.3.5.b Explain the interrelationships of human or physical geographic characteristics of places in Nebraska.

### Geography-Location and Place

SS 5.3.1 Explore where (spatial) and why people, places and environments are organized in the United States.

SS 5.3.1.a Use maps and atlases to locate major human and physical features in the United States.

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Each episode of Watershed 360° begins with the same two questions. "Who cares about a watershed? And why?"

Each episode ends with the question, "Do you know your watershed?"

Tell students that they should be able to answer these questions after viewing most or all of the episodes. However, the first two questions have many different answers.

[Watershed\\_questionsposters.pdf](#)



### OBJECTIVE(S)

Students will explain the purpose of streamflow measurements.

Students will explain the relationship between surface water and groundwater.

### VOCABULARY

**hydrologist:** person who studies the distribution, circulation, and properties of water

<https://www.nationalgeographic.org/glossary/?term=hydrologist>

**streamflow:** the water discharge that occurs in a natural channel. A more general term than runoff, streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

[https://www.usgs.gov/special-topic/water-science-school/science/dictionary-water-terms?qt-science\\_center\\_objects=0#S](https://www.usgs.gov/special-topic/water-science-school/science/dictionary-water-terms?qt-science_center_objects=0#S)

**velocity:** measurement of the rate and direction of change in the position of an object

<https://www.nationalgeographic.org/glossary/education.nationalgeographic.com/innovation-lab//?term=velocity>

### CAPTIONS

The USGS monitors streamflow to predict flooding and manage water resources. 0:44

Hydrologists study how water moves above, on, and below the surface of the Earth. 0:54

A stream gauge records the amount of water flowing through a stream or river. 1:02

Groundwater from the Ogallala Aquifer sustains streamflow. 1:33

The need to balance demands for water resources will grow as global populations increase. 1:49

