

Name: _____

"Sustainable Water Supplies in East- Central Illinois"

Video Guide

Welcome to the World of Water:

Slide 2:

Water is a precious _____ and we take it for _____ that water will flow when we turn on a faucet.

Slide 3:

One of the biggest threats to the water supply is the _____ up of lakes and reservoirs during severe _____, as we can see in Lake Springfield in 1988.

Slide 5:

Four good reasons why each of you should care about water supplies are:

- a. _____

- b. _____

- c. _____

- d. _____

Slide 6:

This presentation is broken into 3 parts:

- e. _____
- f. _____

9. _____

Slide 7

What of the fifteen counties is your community located in? _____

Slide 8

There are two sources of water: water on the earth's _____ and water _____ the earth's surface.

Bloomington, Danville, Decatur, and Springfield obtain their water from _____.

The largest source of groundwater is the _____.

Slide 9

Many communities obtain groundwater supplies from the Mahomet Aquifer. Is your community one of these? _____

Slide 10

About _____ of the water comes from surface waters.

Some _____ of the water, mainly for use in private homes, comes from small shallow aquifers less than 100 feet below the surface.

About _____ of the water comes from the larger and thicker Mahomet Aquifer.

Slide 11

Illinois water law _____ how we can extract water from the environment and use water, but the law is not always clearly defined.

Slide 12

Rainfall, surface waters and groundwater are linked together through the _____.

Slide 13

How much rainfall do we receive on average? _____

Slide 14

Water levels differ based on the amount of rainfall received in the summer. In 1988 lakes and rivers dried up. In 1993, widespread heavy rains caused water levels to rise and rivers to _____.

Slide 16

Over the past few thousands and millions of years _____ have deposited layers of sand on top of the bedrock, and the sand forms the _____.

Part 2: Water Use

Slide 18

For municipalities, water is _____ from a reservoir or an _____ to a water _____ plant. Water is cleared of impurities to meet drinking water _____ and to taste good. The water is then _____ to your home, where it is metered so that you know how much water you use.

After water has been used in homes and businesses, it goes through _____ drains to a waste water treatment plant. Waste water is cleaned to _____ standards before being discharged to _____ or streams.

Slide 19

This unit of measurement is used to quantify how much water is used:

Slide 20

Most water in homes is used to:

a. _____

b. _____

c. _____

Slide 21

Some outdoor water uses are:

a. _____

b. _____

c. _____

d. _____

Slide 23

Clinton draws large amounts of water from Lake Clinton for use in their

_____.

Slide 25

These two counties use the most water mainly for irrigating crops.

a.

b.

Part 3: Sustainable Water Supplies

Slide 27

What exactly does sustainability mean?

- a. Water is a valuable and precious _____. Most of the time, water is plentiful, but there are limits to how much water is available and can be withdrawn safely.

- b. We must plan on meeting the needs of today's population and the needs of _____ generations.
- c. During periods of drought, less water is available. Climate change can _____ how much water is available and how much is _____.
- d. We must maintain and improve infrastructure; we need to construct wells, reservoirs, water treatment plans and pipelines.
- e. We need to _____ the environment.

Slide 31

Once we know what we _____ want to happen, it becomes _____ to make sure that this _____ happens.

Slide 35

A goal is to _____ costs and _____ benefits.

Slide 36

Be informed- search out information and ask questions. Get involved with sustainable water planning. _____ leave it to others. Only use the water you need. Conserving water reduces costs and helps protect the _____.

Slide 37

Five things you and your families can do to help ensure that we always have sustainable water supplies—and you can save money.

- a. _____

b. _____

c. _____

d. _____

e. _____