



Water Conservation



GPM Education and Public Outreach

*NASA Goddard Space Flight
Center*


What are some ways you use water?



Safe Drinking Water is Essential

SAFE DRINKING WATER IS ESSENTIAL

OVERVIEW
SOURCES
TREATMENT
DISTRIBUTION
ATLAS




PLAY DOCUMENTARY

Overview


Clean drinking water is a basic human need. Unfortunately, more than one in six people still lack reliable access to this precious resource. The problem is particularly acute in the developing world.

This project examines the state of the world's water supply and what can be done to improve it. It is divided into sections on sources, treatment, and distribution of drinking water.


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EXHIBITS




Why is There a Problem?



Millennium Development Goals



Climate Change in Peru



Why Essential?

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RESOURCES AND LINKS
GLOSSARY
ABOUT THIS PROJECT
SEARCH

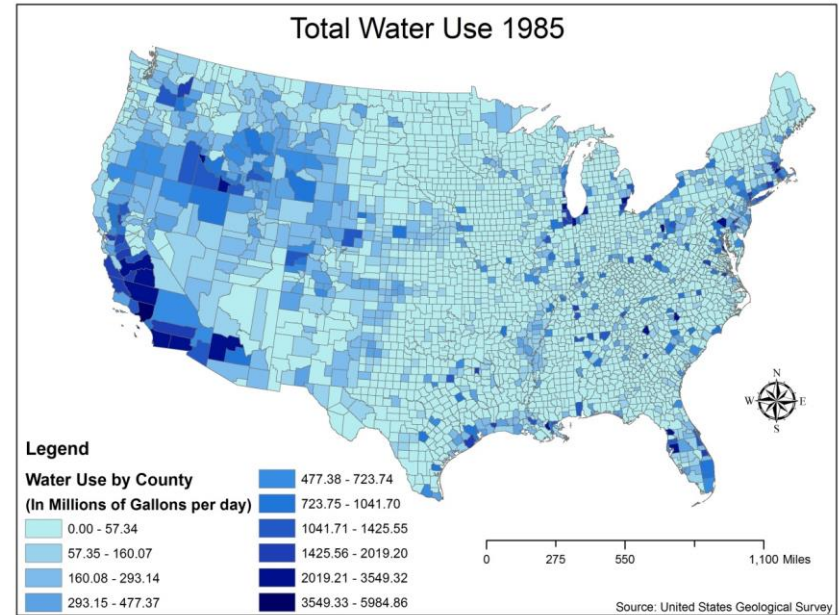
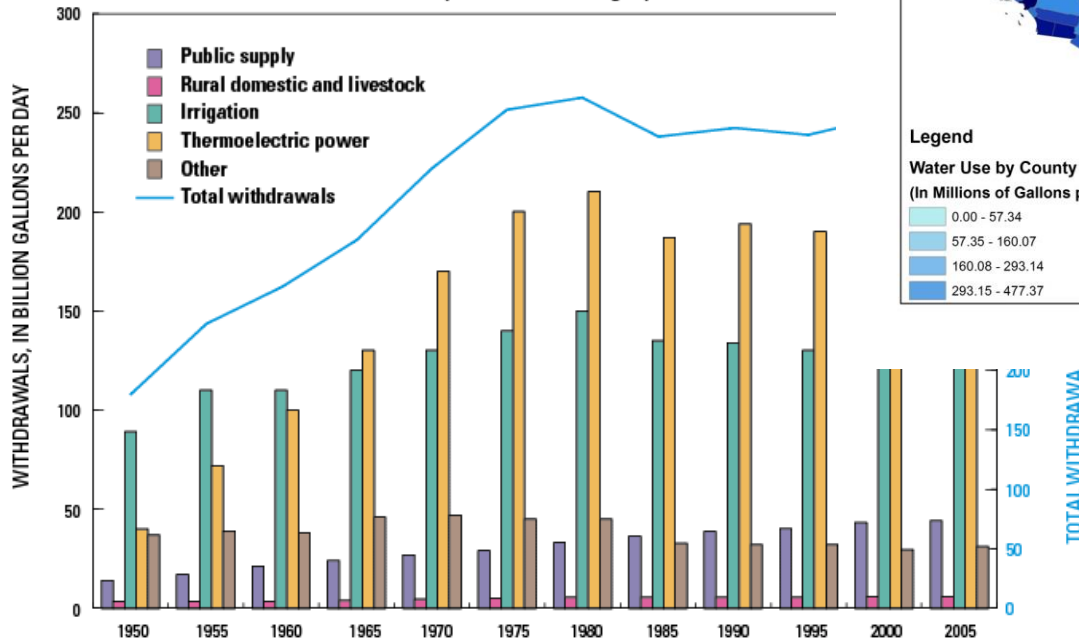
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Discuss your graph with your group and write down 3 facts you learned from the data.

Trends in total water withdrawals by water-use category, 1950–2005.



What surprised you?

What are some ways you use water?



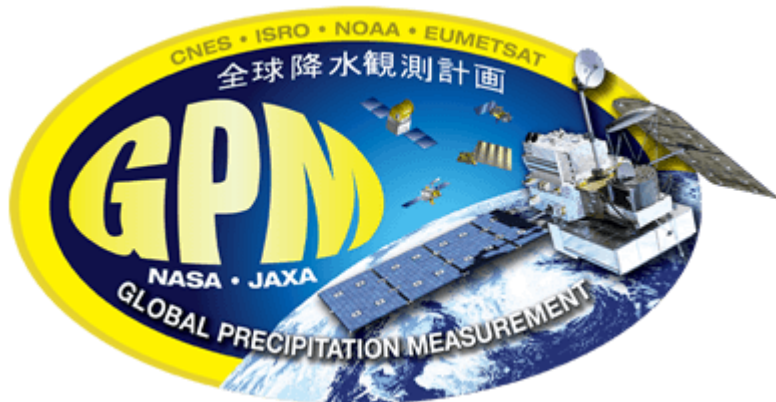
Direction: This survey is to be conducted truthfully over the course of one week. Put a tally mark in the Times Per Day column very time someone living in your home does the activity.

Weekly Water Use Survey

Activity	Times Per Day							Weekly Total	Estimated Amount of Water Used (in gallons)	Total Weekly Water Used
	Sun	Mon	Tues	Wed	Thurs	Fri	Sat			
Toilet Flushing									* 5	
Short Shower (5-10 minutes)									* 25	
Long Shower (>10 minutes)									* 35	
Tub Bath									* 35	
Brushing Teeth (running water)									* 2	
Brushing Teeth (water turned off)									* 0.25	
Shaving									* 2	
Washing Dishes (running water)									* 30	
Washing Dishes (Filling a basin)									* 10	
Running a Dishwasher									* 20	
Washing Clothes									* 35	
Watering Lawn									* 300	
Washing Car									* 50	
Total Weekly Water Use (gallons)									=	
Average Daily Water Use (gallons)									/7 =	
Average Individual Daily Water Use (gallons)									/ by number of people living at home =	

Record your water use for 1 week.

Think about ways you can conserve water.



The Global Precipitation Measurement (GPM) Satellite will collect precipitation data from around the world.

Knowing where and how much rain or snow falls globally is vital to understanding how weather and climate impact both our environment and Earth's water and energy cycles.

Precipitation patterns have effects on agriculture, fresh water availability, and responses to natural disasters.



Precipitation Education



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 **Water Cycle**  **Weather & Climate**  **Technology**  **Societal Applications**

Home > Societal Applications > GPM: Too Much, Too Little

GPM: Too Much, Too Little



Type: Video
Audience: Outreach, Informal, General
Standards: ESS2.A, ESS2.D ⓘ
Keywords: heavy rainfall, drought
Summary: Researchers need accurate and timely rainfall information to better understand and model where and when severe floods, frequent landslides and devastating droughts may occur, and GPM's global rainfall data will help provide that information.



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- [Freshwater Resources](#)

