

# Preface

This book provides information and several educational demonstrations relating to groundwater and its significance in Pennsylvania.

Educators may find this publication useful in assisting with the meeting of the following academic standards in Pennsylvania:

## Academic Standards for Environment and Ecology

4.1.10 (e) Identify and describe natural and human events on watersheds and wetlands.

4.6.12 (b) Analyze the impact of cycles on the ecosystem, explain the processes involved in the natural cycles.

4.6.12 (c) Analyze how human action and natural changes affect the balance within an ecosystem, analyze the effects of substances that move through natural cycles.

4.8.10 (a) Analyze how society's needs relate to the sustainability of natural resources, describe how uses of natural resources impact sustainability.

4.8.10 (b) Analyze the relationship between the use of natural resources and sustaining our society.

4.8.10. (c) Analyze how human activities may cause changes in an ecosystem, analyze and evaluate changes in the environment that are the result of human activities.

## Academic Standards for Science and Technology

3.5.10 (b) Explain sources and uses of earth resources.

3.5.10 (d) Assess the value of water as a resource.

3.5.12 (d) Analyze the principles and history of hydrology.

