

**New to the 7<sup>th</sup> edition of  
*Environmental Geology*  
by Carla Montgomery**

In addition to the text undergoing a thorough revision per reviewers' feedback, the following list represents significant new material in the seventh edition:

- A new discussion of the flash-flood-warning system under development by the USGS and the National Weather Service is now included in Chapter 6.
- The coastal-processes chapter (7) has been thoroughly reorganized, including an expanded discussion of shoreline-stabilization structures, and a boxed reading on the Great Lakes shoreline has been brought back in updated form.
- Chapter 10 features a new introduction to Darcy's Law governing groundwater flow.
- The discussion of karsts has also been updated and expanded in Chapter 10.
- New information on coal-bed methane as an additional fossil-fuel resource has been added to Chapter 13.
- The issue of whether to drill in the Arctic National Wildlife Refuge is discussed in Chapter 13.
- New content on ocean thermal energy conversion as a future alternative-energy source is now included in Chapter 14.
- Key concepts in geo-medicine have been incorporated into the introduction to Section Five.
- There is a new discussion of renewed concern about mercury as a water pollutant in Chapter 16.
- Chapter 18 now includes new information on the current administration's proposed "Clear Skies" antipollution legislation.
- An introduction to Geographic Information Systems has been added to Chapter 19.
- Boston's "Big Dig" and China's Three Gorges Dam are explored as engineering-geology case studies in Chapter 19.
- Accompanying all of the above new content are over 300 new or enhanced photos, and over 175 new line art images drawn in a more realistic, three-dimensional format.