



La Revolution (10)

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 52 pages. OCLC Number: (OCoLC)61266454 Subject: Karst -- United States. Excerpt: . . . From recharge points, the pattern of individual ground-water flow paths tends to have a strong downdip component in the unsaturated (vadose) zone and a strong tendency to follow the strike in the saturated (phreatic) zone (Figure 3). In karst areas, solution conduits develop along the routes of greatest vadose and phreatic water movement. These conduits carry high-velocity turbulent flow, and they include caves that are large enough to explore. In the Appalachians, some of these conduits reach tens of meters in diameter. The statements about preferred flow routes in this section are supported by the mapping of accessible conduits. The reason for the downdip tendency of vadose water is that gravitational water follows the steepest available paths through the unsaturated (vadose) zone. Vertical or steeply dipping fractures are not always able to transmit all the water that enters from karst recharge features. This forces water to overflow along the next-steepest openings, which are generally extensive bedding-plane partings. In this way, much of the water follows the...



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