

## Geology—Mountain and Creek Bottom Region



**Sandstone, siltstone, shale, and coal are exposed along Ky. 302 near Dewey Lake in Floyd County. Water penetrates cracks and crevices in the sandstone and siltstone and flows downward until it meets the impermeable shale. When the shale is exposed to air and water, it breaks down quickly, leaving no support for the overlying rocks, which soon fall. Repeating the process for millions of years creates the rugged terrain of the Mountain and Creek Bottom Region. Photo by Dan Carey, Kentucky Geological Survey.**