

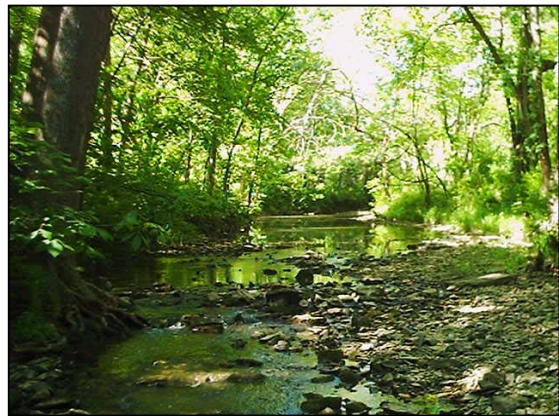
Coon Creek Watershed Analysis

City of Lenexa, Kansas

The City of Lenexa is at the beginning of a development boom in the Coon Creek Watershed and wishes to have a watershed management plan in place to protect both stream resources and developing property. Intuition & Logic performed a reconnaissance-level geomorphic analysis and developed recommendations to address stormwater concerns.



One of the recommendations was to reduce the size of planned regional detention basins. This was achieved by relocating the planned basins to more effective sites and subsequently protecting a greater amount of mature forest. The size reduction stemmed from then taking advantage of the stormwater benefit provided by the additional existing mature forest that was left undisturbed. Recommendations were also developed to enhance the stability of Coon Creek, such as the installation of rock grade controls.



On a broader scale, Intuition & Logic performed an analysis of the watershed characteristics of Cedar, Mill and Clear Creek basins, with the objective of evaluating the likely response of each stream to development pressures, the utility of alternative stormwater management methods such as infiltration, and the importance of riparian forests for each major stream.