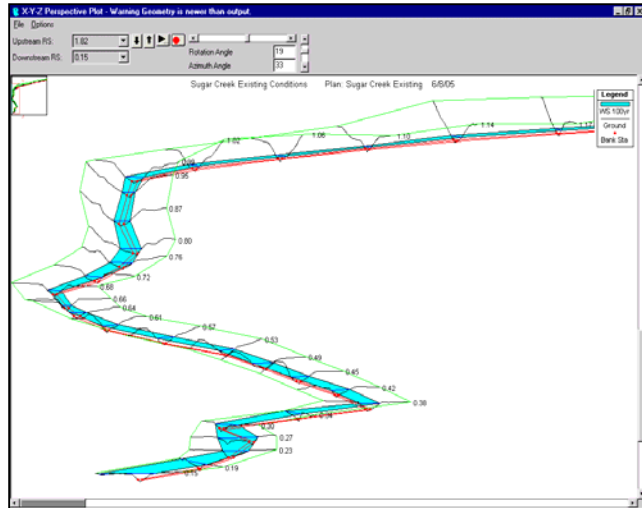


## Richland Subdivision/New Belleville Development HEC-RAS Floodplain Modeling

Belleville, Illinois

The Richland Development is a 1,800-acre development project, located south of Belleville, Illinois. When completed, the Richland Development will include a mix of residential and commercial buildings, along with a town center, golf course, private schools, and hiking and biking trails. New Belleville Development, Inc. (NBD) selected Intuition & Logic to perform floodplain modeling for Richland Creek and Sugar Creek, a tributary to Richland Creek.



There are many potential alterations to the Richland Creek floodplain and tributary floodplains in conjunction with the Richland Development, including two new bridge crossings. Alterations to Sugar Creek would include one bridge crossing, and the desired use of the creek as a recreational amenity with walkways along the creek. All potential changes and configurations needed to be modeled to determine their effect on flood elevations and to devise a mitigation approach for these effects.

