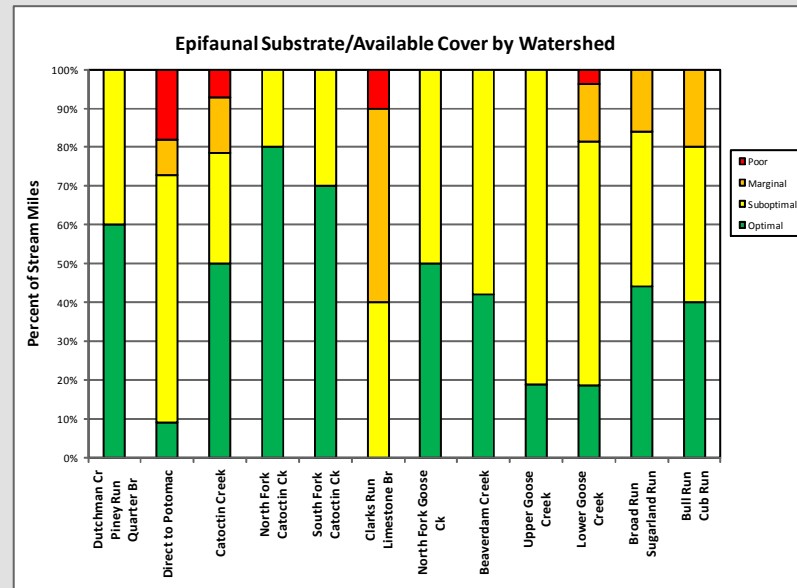
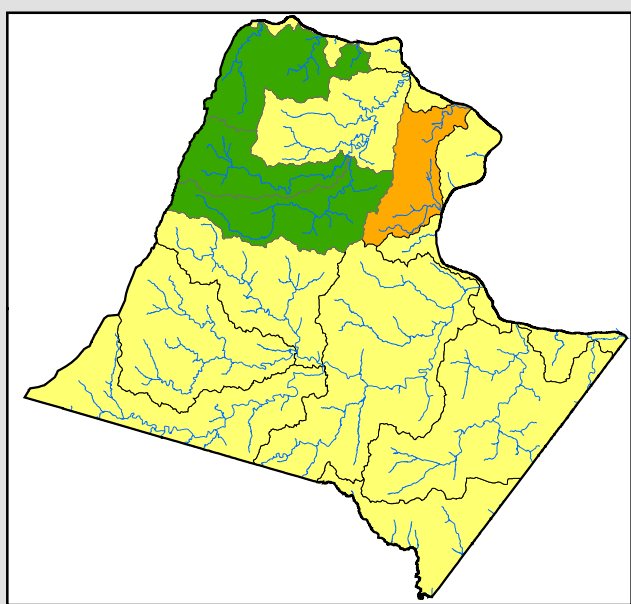
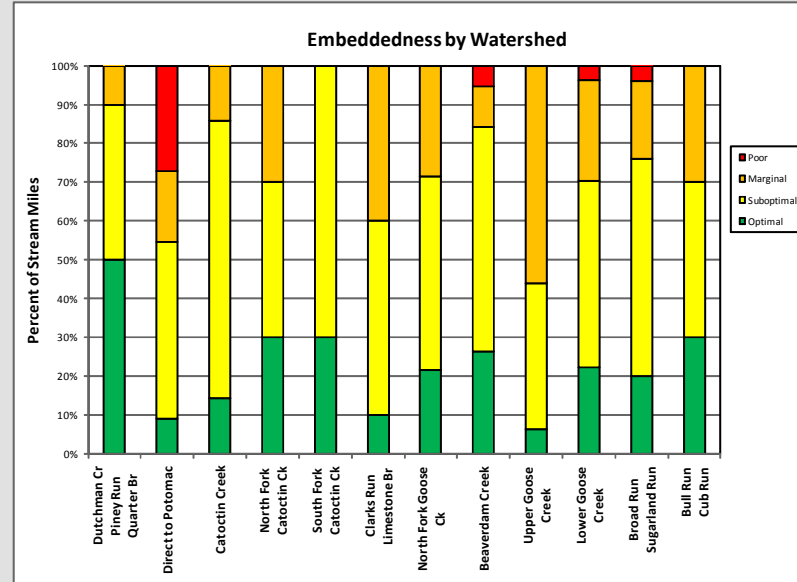
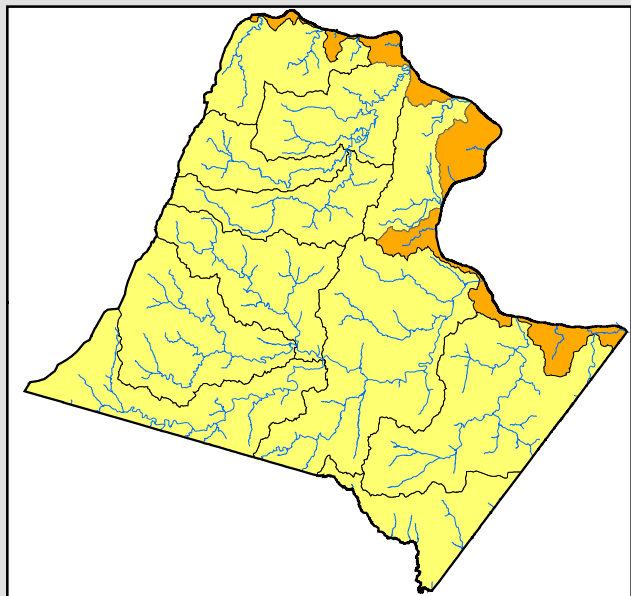


Habitat Category by Watershed

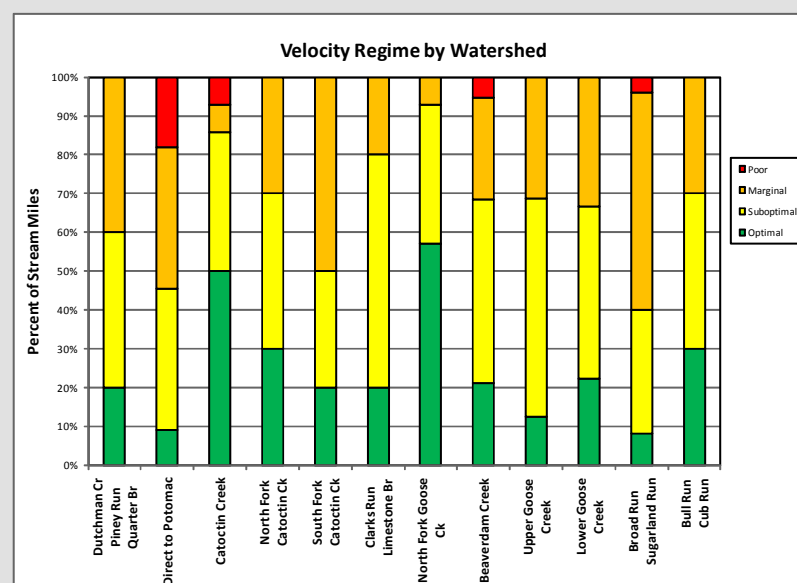
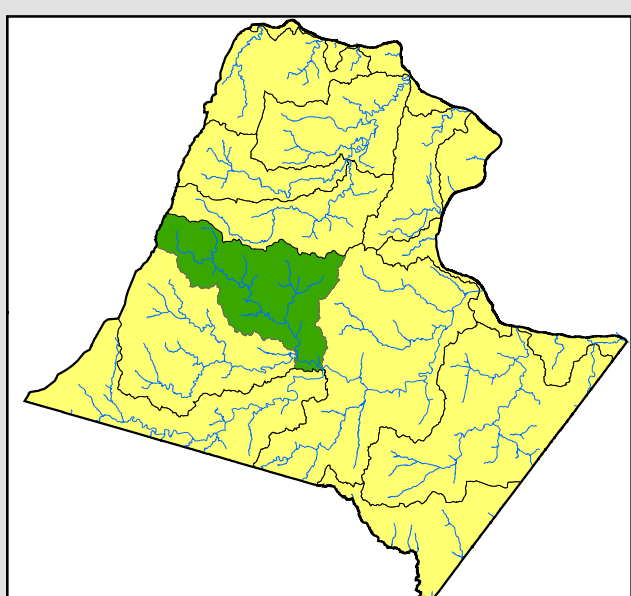
Epifaunal Substrate/Available Cover



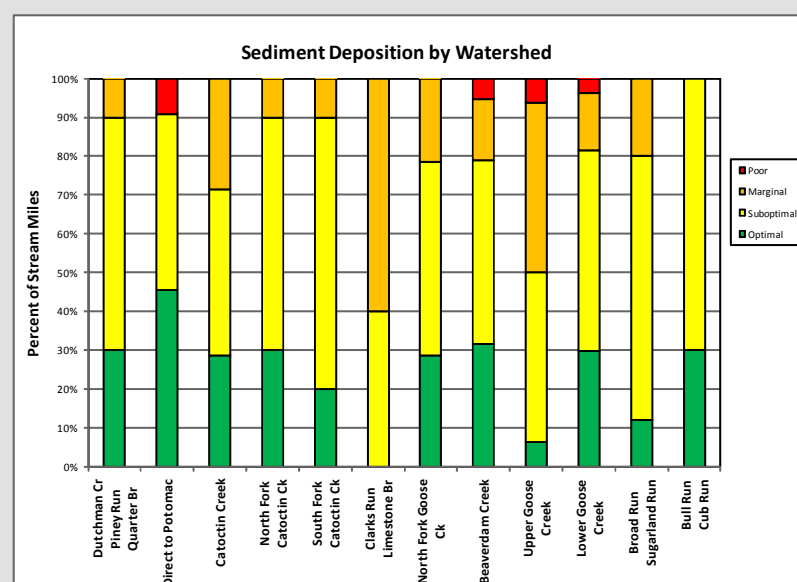
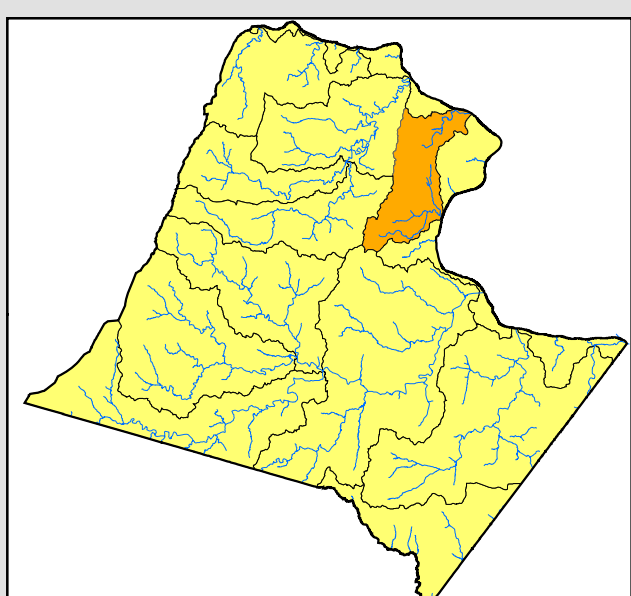
Embeddedness



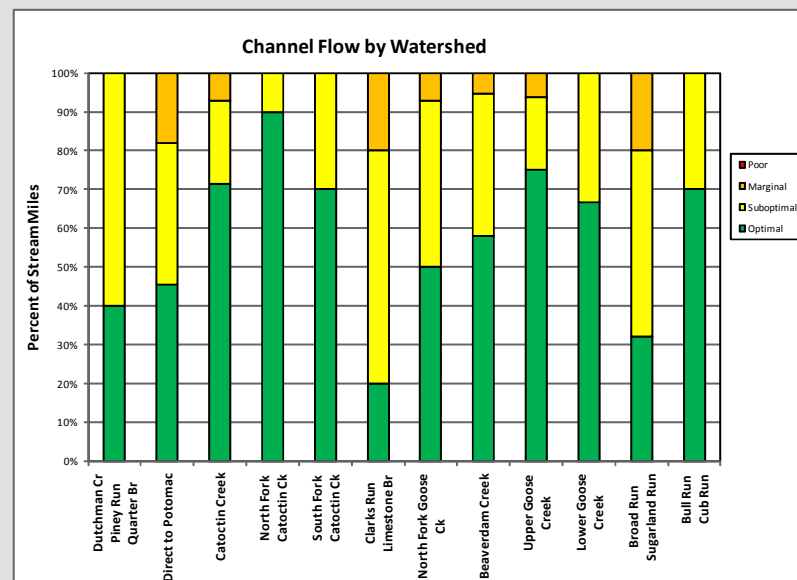
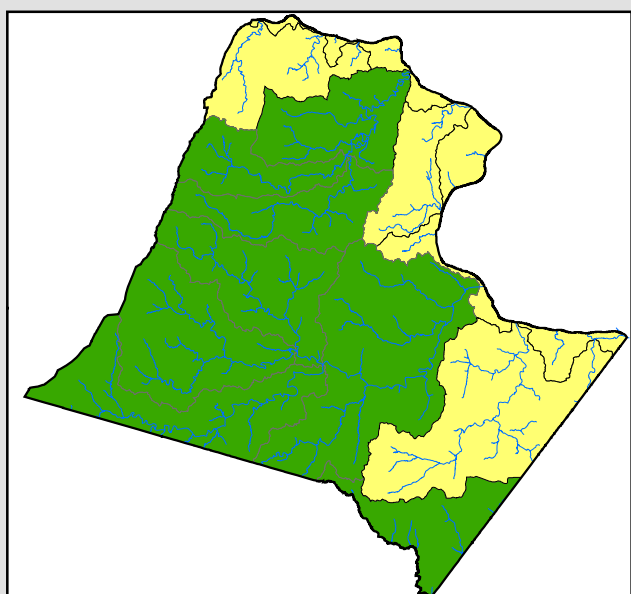
Velocity Depth Regime



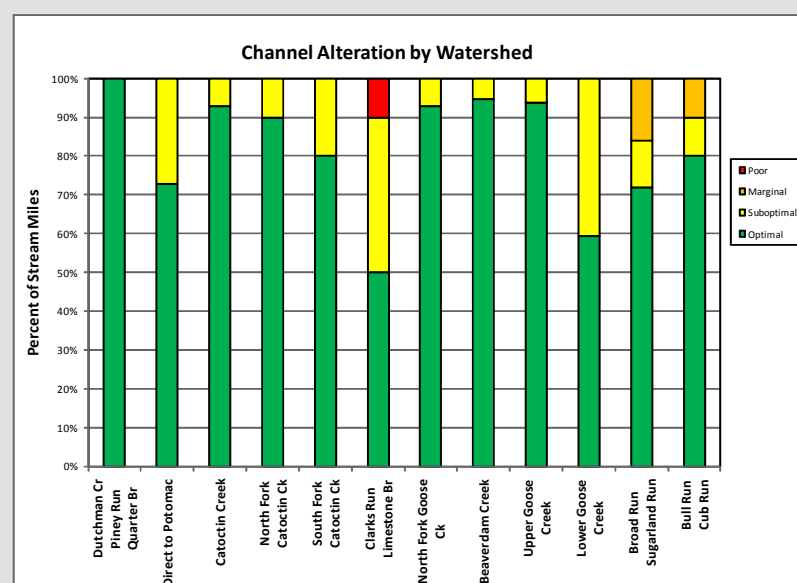
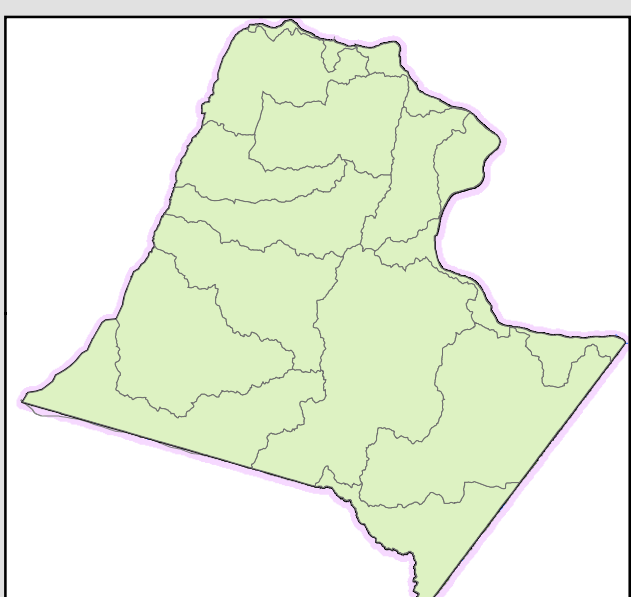
Sediment Deposition



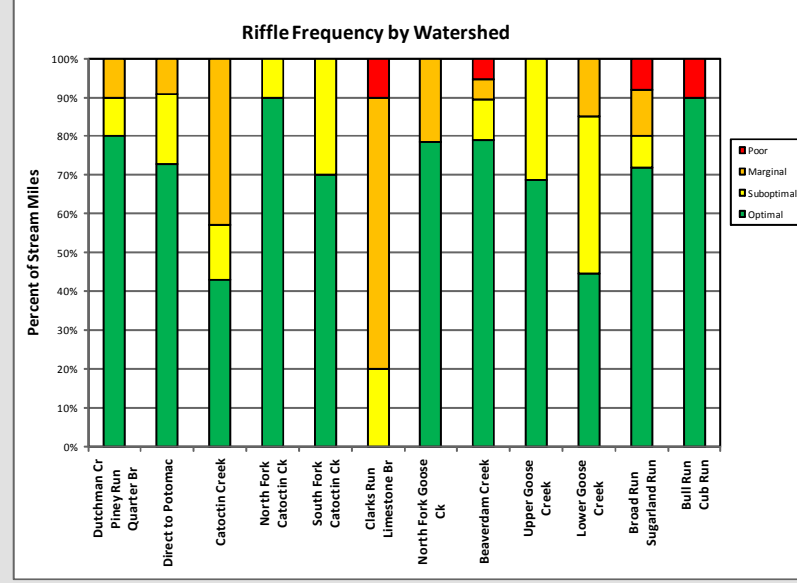
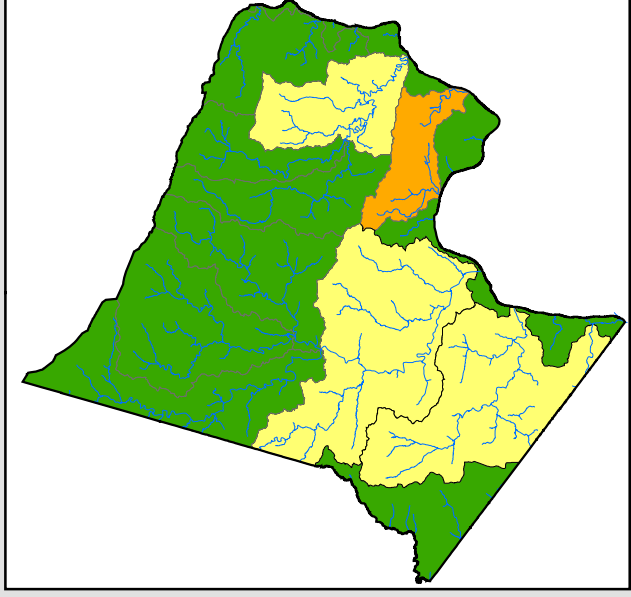
Channel Flow Status



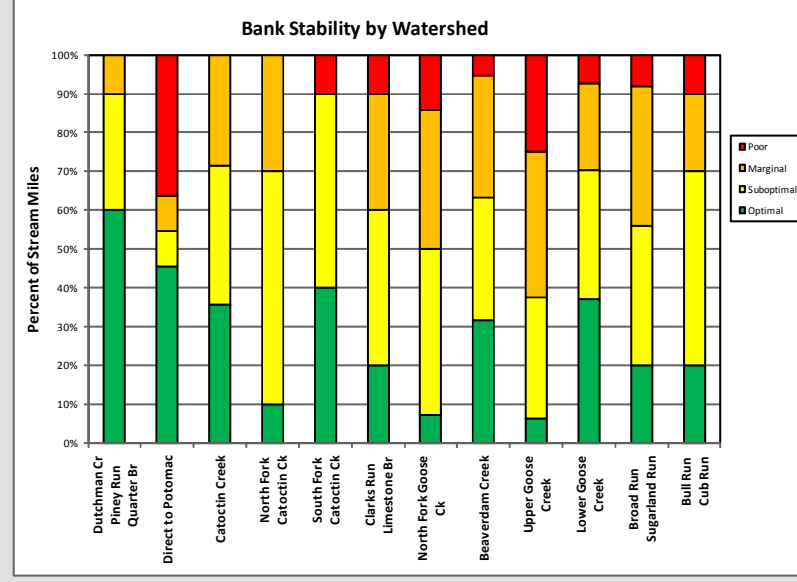
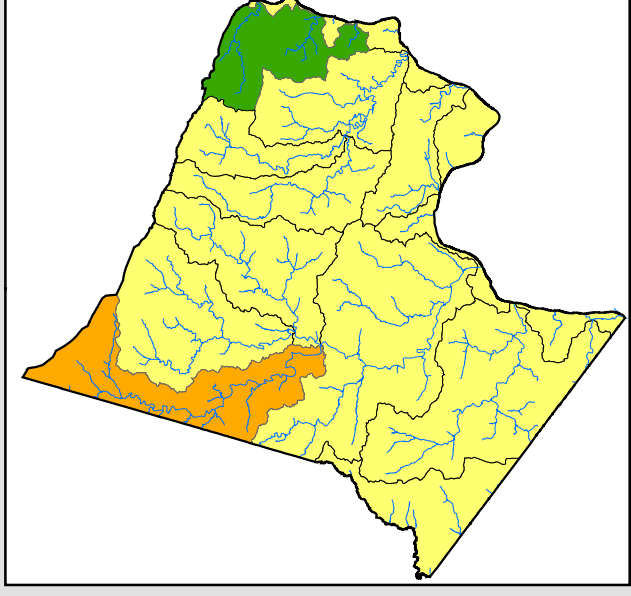
Channel Alteration



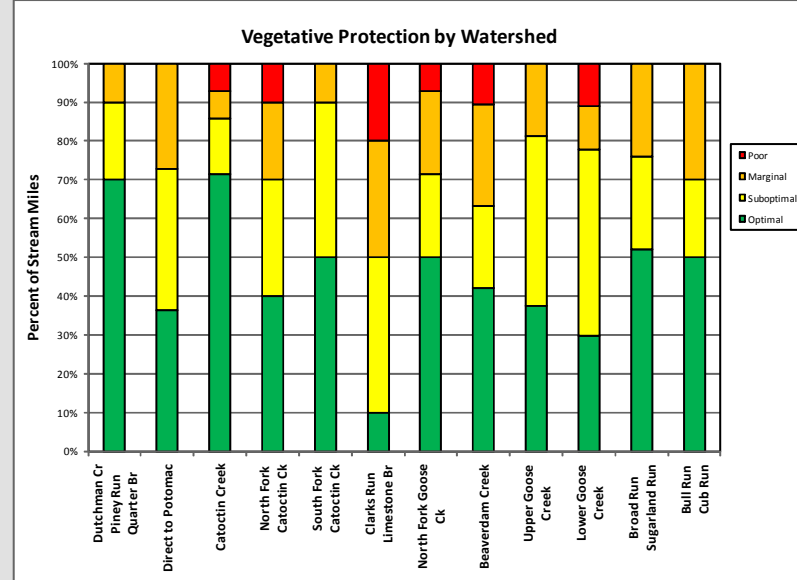
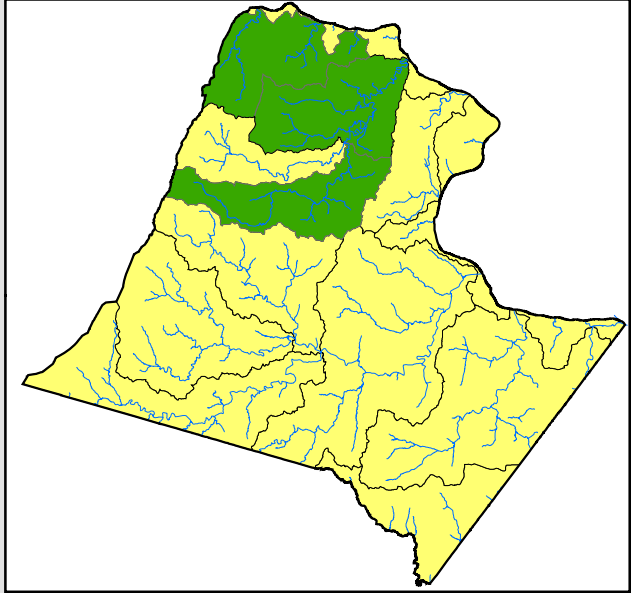
Riffle Frequency



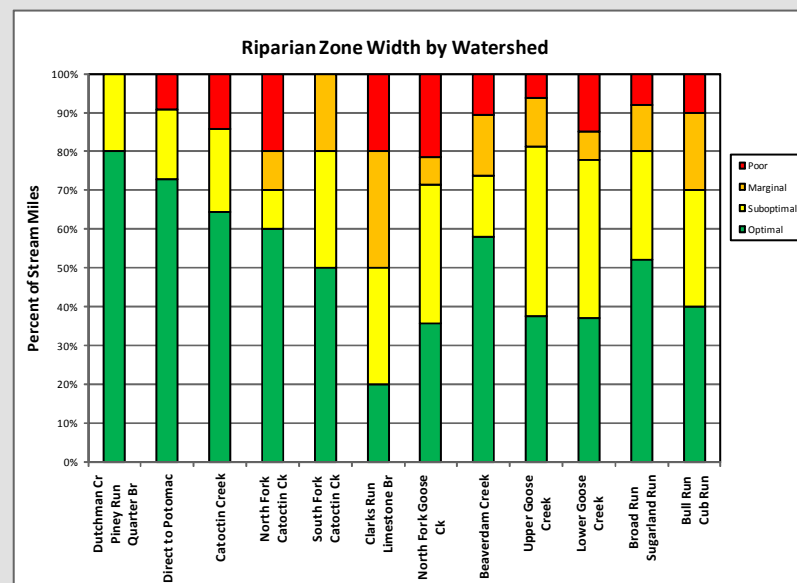
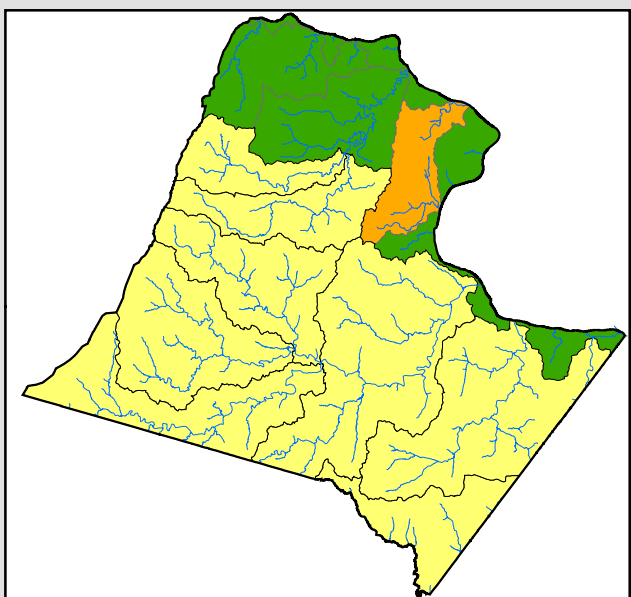
Bank Stability



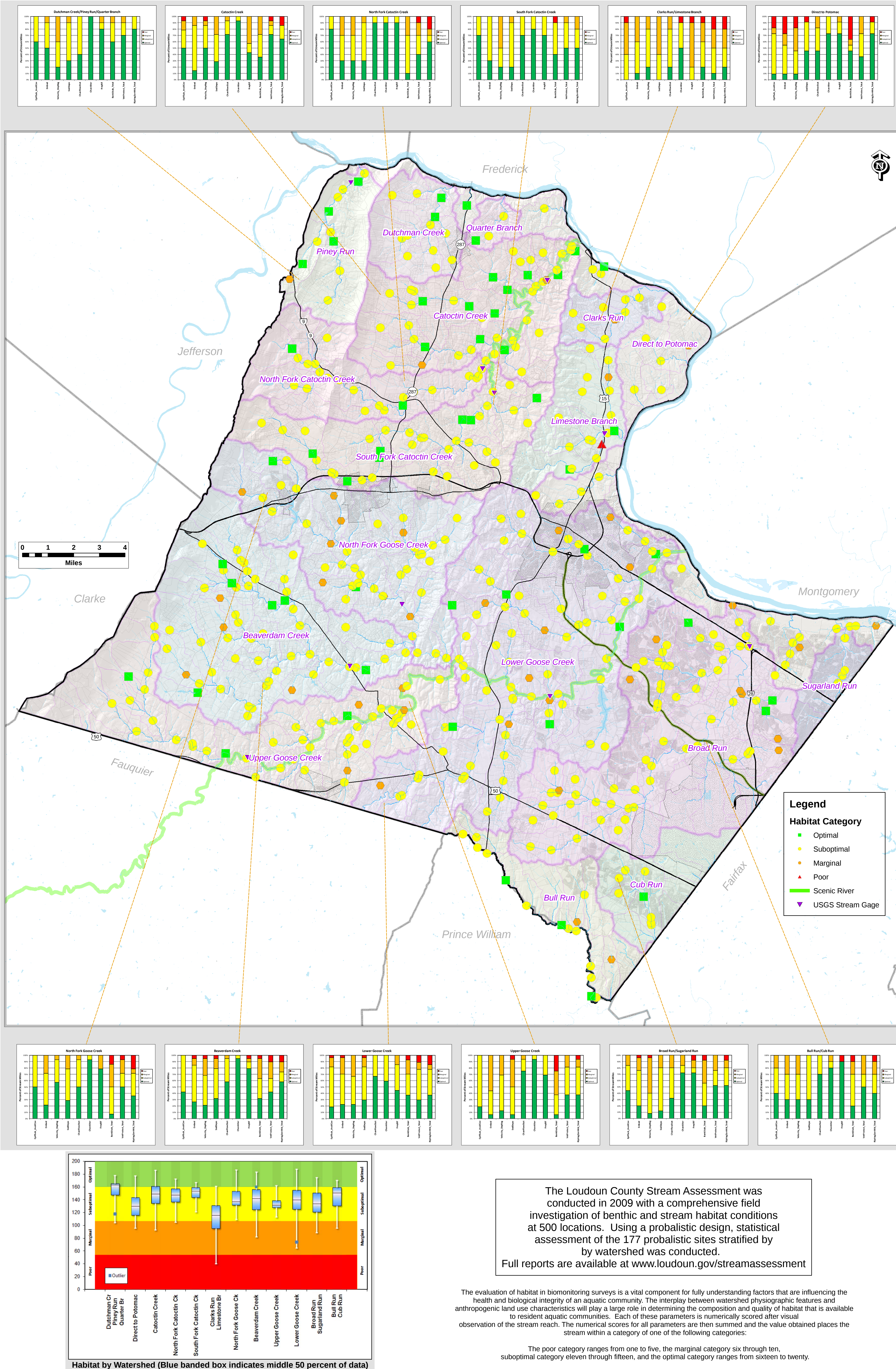
Vegetative Protection



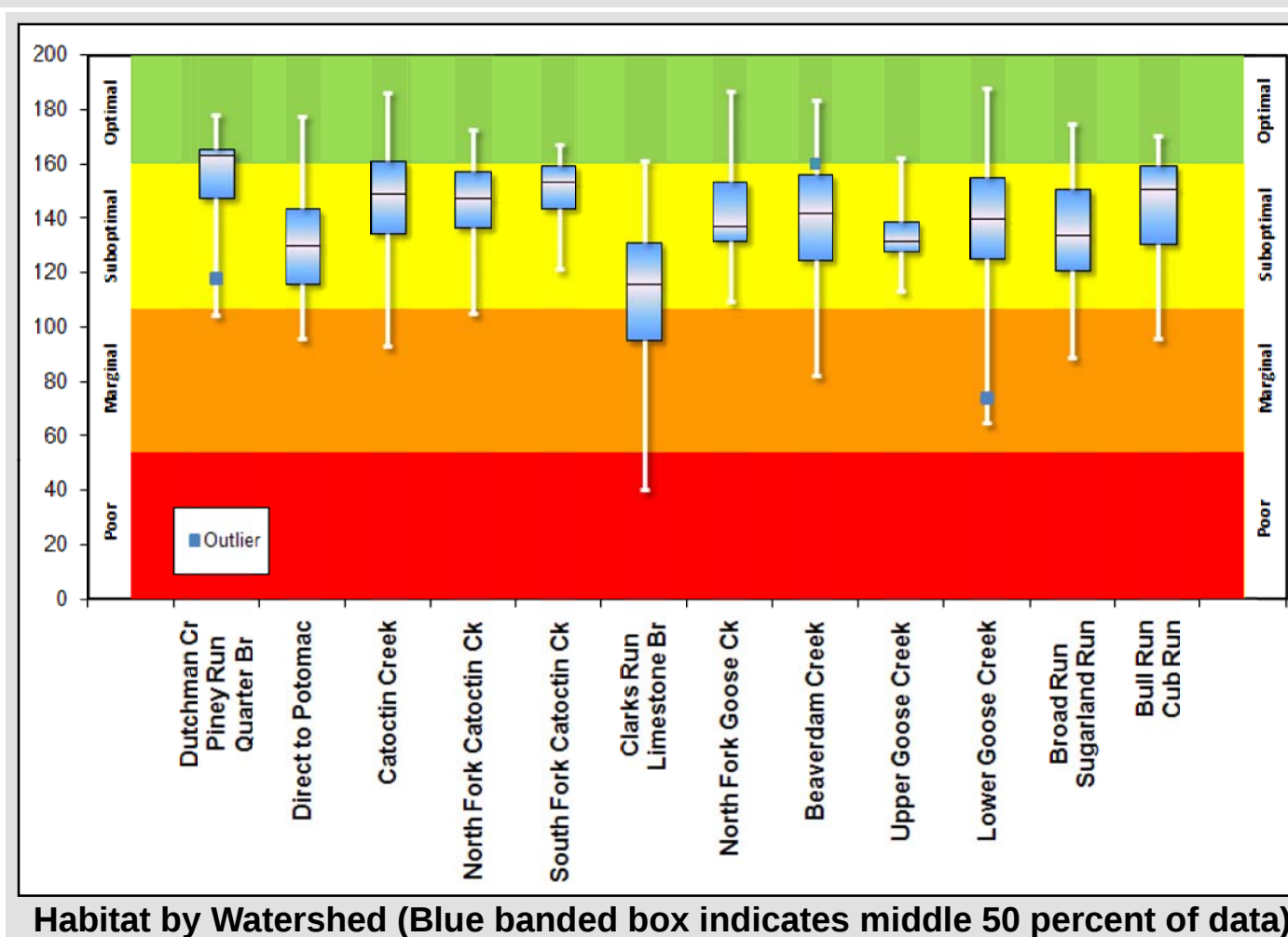
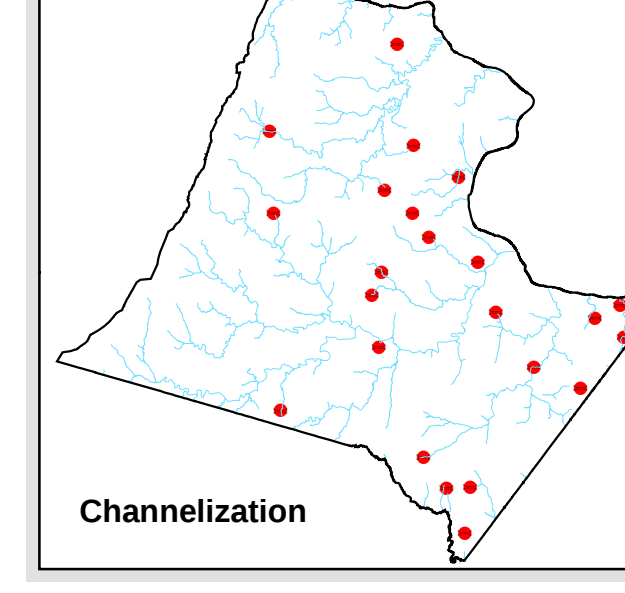
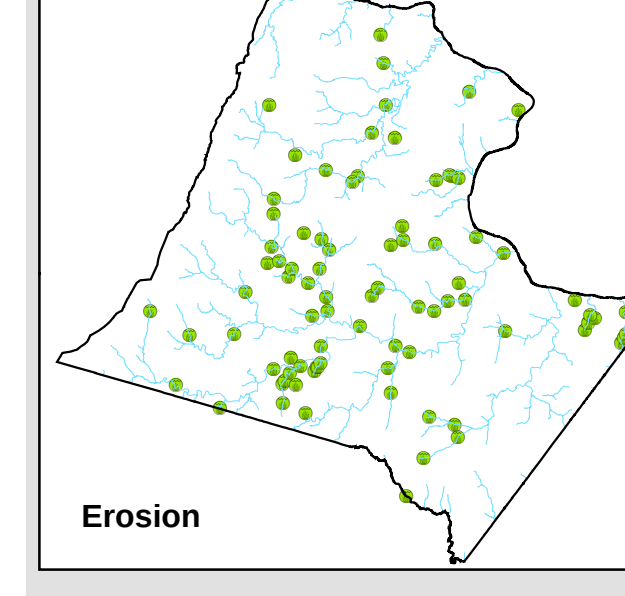
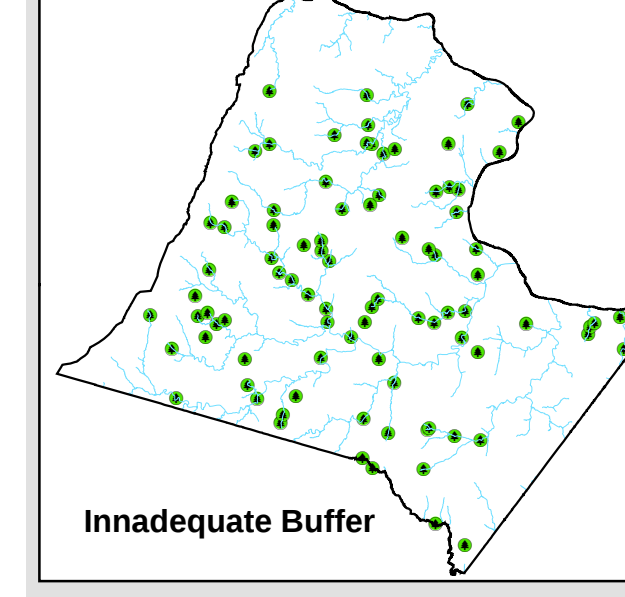
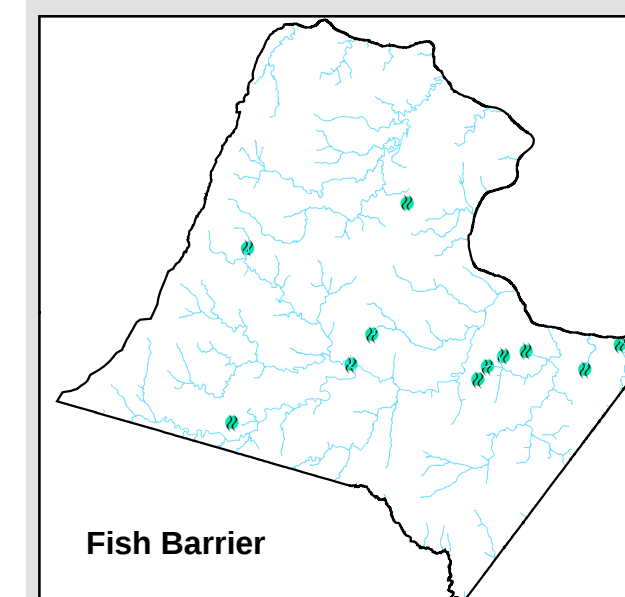
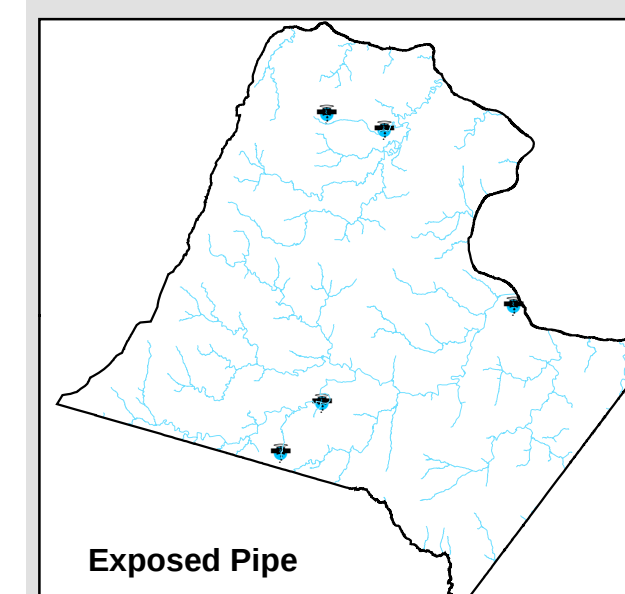
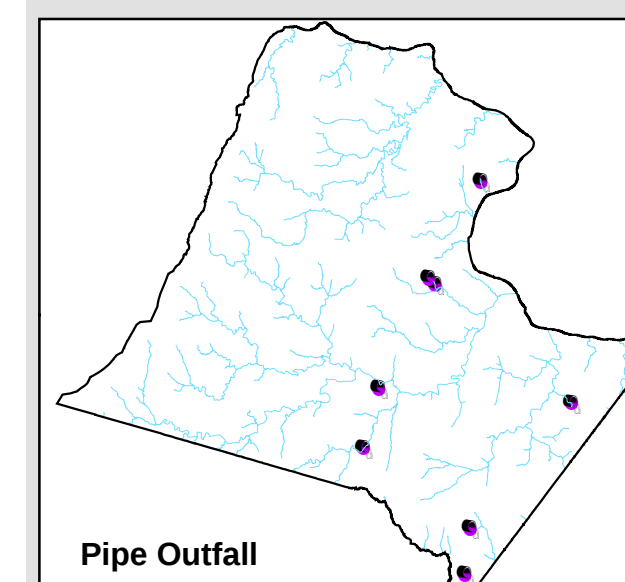
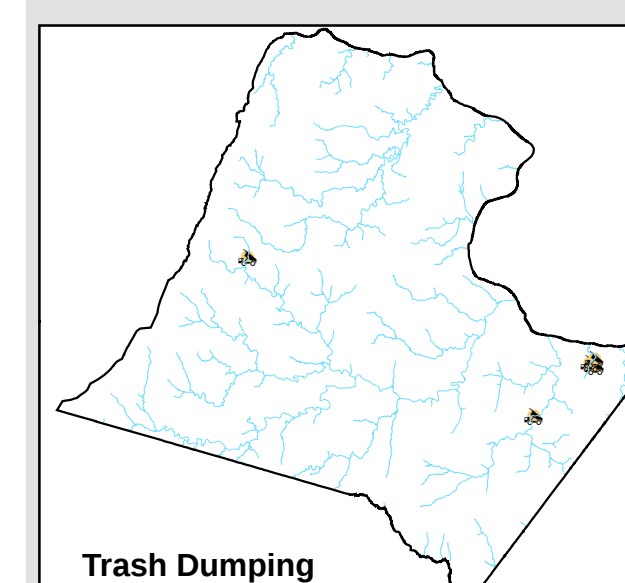
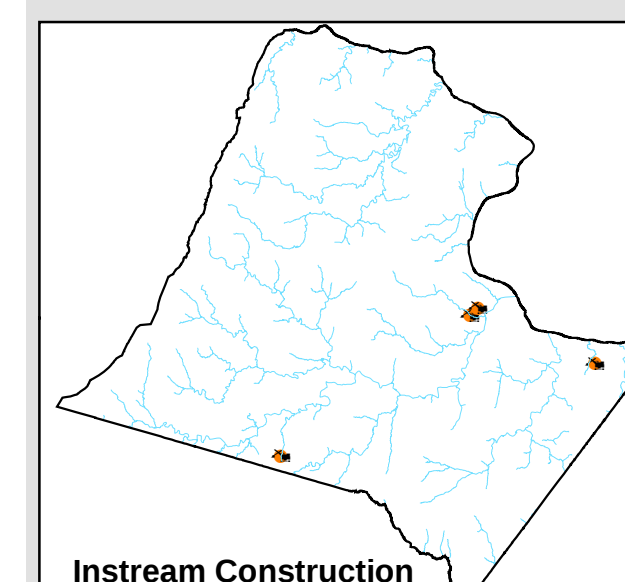
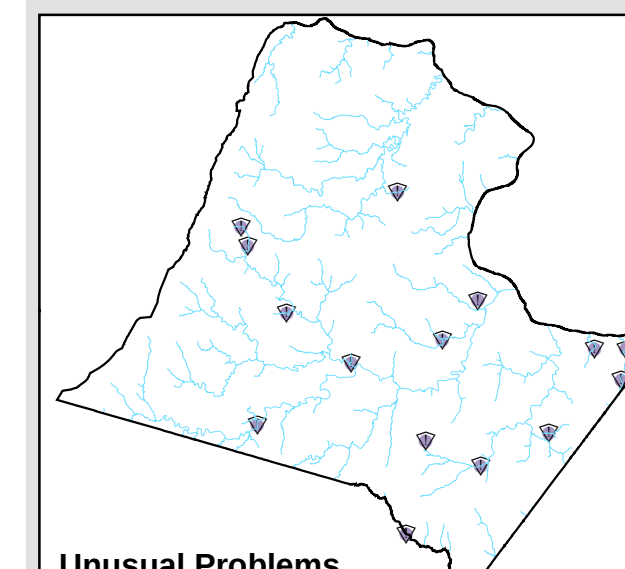
Riparian Vegetative Width



Loudoun County 2009 Habitat Stream Assessment



Problem Sites



The Loudoun County Stream Assessment was conducted in 2009 with a comprehensive field investigation of benthic and stream habitat conditions at 500 locations. Using a probabilistic design, statistical assessment of the 177 probabilistic sites stratified by watershed was conducted. Full reports are available at www.loudoun.gov/streamassessment

The evaluation of habitat in biomonitoring surveys is a vital component for fully understanding factors that are influencing the health and biological integrity of an aquatic community. The interplay between watershed physiographic features and anthropogenic land use characteristics will play a large role in determining the composition and quality of habitat that is available to resident aquatic communities. Each of these parameters is numerically scored after visual observation of the stream reach. The numerical scores for all parameters are then summed and the value obtained places the stream within a category of one of the following categories:

The poor category ranges from one to five, the marginal category six through ten, suboptimal category eleven through fifteen, and the optimal category ranges from sixteen to twenty.



Loudoun County Department of Building and Development

Mapped Date: December 23, 2009
OMAGI Map Number: 2009-192