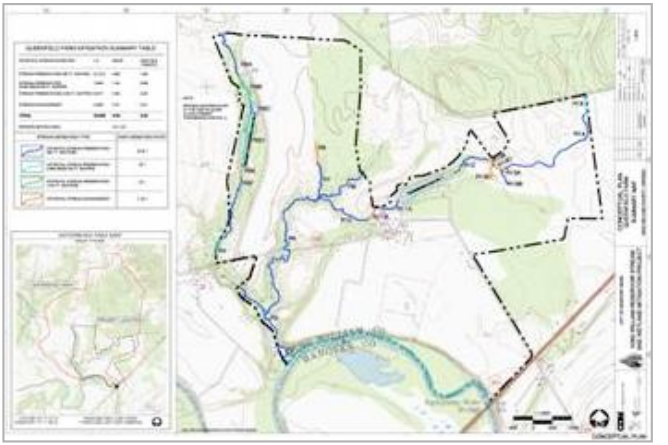
Kerr Environmental Services Corp.
sustainable ecological restoration and environmental consulting

STREAM RESTORATION EXPERIENCE

King William Reservoir – Stream Mitigation, Newport News Department of Public Utilities, Various Counties, Virginia



As a part of the King William Reservoir Stream and Wetland Mitigation Project team Kerr Environmental Services served many roles to achieve the overall mitigation goal of providing 806 acres of wetland and 21 miles of stream mitigation for the Reservoir. Kerr Environmental Services was the team's Stream Policy Lead and as such was responsible for negotiations with the Interagency Mitigation Team (IMT) on all stream mitigation policy issues. Stream Policy Lead tasks included: negotiating stream mitigation credit for the removal of Ashland Mill Dam on the York River, development of the Final Detailed Mitigation Plan Team Checklist, negotiating the crediting procedures for stream preservation and variable buffer widths, and coordination on the acceptability of the entire multi-site, stream mitigation package.

Other major services included: preliminary evaluations of numerous stream mitigation sites, an eight-county stream mitigation site search, a site search for stream reference reaches in the Coastal Plain and Piedmont physiographic provinces, assessing and developing reports for six stream reference reaches. Stream assessments, feasibility studies and concept plans were performed for over 29 miles of streams on 10 sites involving over 16,000 acres of land.

Overall, Kerr Environmental Services was involved in every aspect of stream restoration from determining site feasibility to final compensatory mitigation plans including developing reference reach data for use in design. The work for the 10 feasibility studies included: establishing stream reaches, inventorying each reach using the Virginia Unified Stream Methodology, Level 1 stream assessments (Rosgen Method), identification of stream evolutionary stage, identification of potential sources of destabilization, and determination of potential restoration/enhancement methods to be used. Rosgen level II and III assessments were performed on two sites comprising 5.4 miles of stream.