



Bush Creek Stream Restoration **\$1,350,000.00 Contract Amount** **Gwinnett County, GA**

Site Engineering contracted with Gwinnett County to repair the Chattahoochee tributary stream Bush Creek in Duluth, GA. 3,500 linear feet of stream were repaired through a sensitive residential neighborhood. The project included the construction of: a swale system, clearing, grubbing, excavation, modification of existing stream channels, stone cross vanes, j-hooks, stone cascade structure, riffles, environmental protections, plantings, by-pass, erosion control, and final restoration.

Backflow from the Chattahoochee could raise the stream level a dozen feet in a matter of hours during releases from Lake Lanier dam. Extreme caution was paid to the release schedule and working conditions.

Owner: Gwinnett County

Owner Contact: Anne Lovell (anne.lovell@gwinnettcountry.com / 678.376.6803)

Engineer: Brown and Caldwell: Jeff Herr, PE (JHerr@BrwnCald.com / 321.287.6549)

SEI Project Manager: Paxton Billingsley, PE (paxton@siteengineeringinc.com 678.758.2116)



Work Performed:

- Stream Restoration
- Gabions
- Cross Vanes
- J-hooks
- Storm Sewer
- Clearing
- By Pass Pumping
- Stone Cascade at Chattahoochee River



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