

Proposed Best Management Practices (BMPs)

In an effort to reduce the effects of stormwater runoff on the DO level observed in the impaired waters, the County will pursue the following:

- Monitor each monitoring station weekly during the summer months (June, July, and August).
- The County will continue to regulate the Land Disturbance Activities occurring in the County as a Local Issuing Authority. By reducing the amount of erosion that occurs on development sites and the amount of sedimentation that occurs downstream from development sites, less sediment will be conveyed to the impaired waters via the stormwater flows. As the sediment can transport material with an oxygen demand, reduction in sediment transfer should result in a reduction in the oxygen demand on the system and therefore result in improved DO levels in the impaired waters.
- The County will continue providing information on its website about the impacts that over fertilization of lawn and garden areas can have. The impact that conveyance of fertilizers downstream on the DO in the waterways will be emphasized. Reducing the amount of over fertilization and thereby reducing the amount of excess fertilizer reaching the impaired waters should result in improved DO levels in the impaired waters.

Implementation Schedule

The County is prepared to implement this Monitoring and Implementation plan within a reasonable time after plan approval by the Georgia EPD.

Annual Reporting

Each year, the County will develop a brief water quality report for Cat Creek. This report will include:

- Monitoring results.
- Trend analysis.
- Documentation of activities.
- Recommendations based on evaluations.

The water quality data along with the trend analysis will be utilized to determine if the trend is showing improvement or degradation relative to implementing BMPs. If the trend analysis indicates that water quality is worsening or not improving, then additional monitoring and/or BMPs will be evaluated to identify sources within the area covered by County's MS4 permit. A copy of this report and monitoring results/data will be submitted along with the County's annual report.