

“Cottonwood Creek TMDL Development - Residue”

Aquatic Restoration & Research Institute

FY 05 Grant Award: \$37,068

Project Match: \$31,217



*Foam accumulation
downstream of Edlund Rd.
on Cottonwood Creek.*

Description and Purpose:

The primary project objective was to continue to evaluate the presence, location, and variability in foam abundance and causes within Cottonwood Creek. Foam abundance was evaluated to determine whether it was human caused or whether human activities influence natural foam development processes. The secondary objective was to determine whether anthropogenic factors that cause or influence foam abundance are related to other potential water quality problems. Addressing these objectives will lead to the removal of this waterbody from the State's impaired waterbody list either through the development of a TMDL recovery plan or the implementation of management practices.

Evaluation of Environmental Benefits:

The environmental benefits were determined by data that describes the distribution of foam residue over space and time (within the project year) and potential causes of foam residue development, a consolidation and evaluation of previous water quality information collected within the watershed, as well as potential anthropogenic causes of modified water quality.

Deliverables Include:

- **Quality Assurance Project Plan (QAPP)**
- **Factsheet on natural and human causes of foam**
- **Final Report with evaluation of water monitoring results**



*Cottonwood Creek at
Seward Meridian showing
in-stream algal growth*

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