

"Granite Creek TMDL Implementation Phase II"

City & Borough of Sitka

FY 04 Grant Award: \$19,575

Project Match: \$14,588



Description and Purpose:

The Granite Creek Watershed Recovery Strategy and TMDL were approved in September 2002. This project *implements* the Strategy/TMDL and focuses on restoring water quality by: 1) constructing road and stormwater drainage improvements, 2) establishing functional stream buffers, 3) verifying effectiveness of sediment controls through water quality monitoring, and 4) auditing operator compliance with lease terms.

The project results in: 1) reductions in sediment loads entering Granite Creek and its tributaries, 2) commensurate reductions in turbidity, 3) periodic and ongoing monitoring to document compliance with standards and to evaluate the effectiveness of BMPs, 4) lease operations in compliance with solid waste, fuel storage, and other environmental requirements of lease agreements.

Evaluation of Environmental Benefits:

Environmental benefits include compliance with water quality standards, new stormwater controls, functional riparian buffers to filter sediments, operator education, and institutionalized water quality monitoring to track compliance into the future. These environmental benefits will be tracked and confirmed by high quality monitoring data compliant with the approved QAPP, verified reductions in turbidity and TSS concentrations in Granite Creek, monitoring data for each month of the year, more informed lease operators, properly graded roads and newly-constructed settling ponds, and the establishment of protected, functional vegetative buffers along the creek.

Deliverables Include:

- [Water quality monitoring data](#) (turbidity and TSS)
- Photographic documentation of vegetated, protected buffers, properly constructed roads, lease site solid waste practices
- [Lease site surface water drainage assessment](#)
- [Lease site solid waste inventory and analysis](#)
- [Audit of lease operations against municipal lease terms](#)
- [Monitoring Strategy](#)
- Summary Report evaluating monitoring results



Project Contacts:

Grantee Project Manager

Mark Buggins, Environmental Superintendent
City & Borough of Sitka
100 Lincoln Street
Sitka, AK 99835
Ph: 907-966-2256 Fax: 907-966-2257
[mailto: markb@cityofsitka.com](mailto:markb@cityofsitka.com)

DEC Project Manager

Laura Eldred, Environmental Specialist
Department of Environmental Conservation
555 Cordova
Anchorage, AK 99501
Ph: 907-269-1065 Fax: 907-269-7508
laura_eldred@dec.state.ak.us