

"Swan Lake Watershed Recovery"

City & Borough of Sitka

FY 04 Grant Award: \$60,580

Project Match: \$42,068



Description and Purpose:

This project continues to rehabilitate Swan Lake. It *implements* the approved Watershed Recovery Strategy and TMDL (January 2000) and Stormwater Control Strategy (June 2002). Tasks include: 1) small-scale dredging and manual plant harvests; 2) preparing a stormwater Best Management Practices (BMP) brochure for contractors; 3) volunteer storm drain stenciling; and 4) water quality and stormwater monitoring. Water quality sampling will conform to the requirements of the previously approved QAPP. A contractor will be hired for project technical oversight and to complete several tasks.

Evaluation of Environmental Benefits:

Benefits to the community will include increased small boat access and usage, a larger percentage of the lake accessible to fishing and boating, improved habitat for the over 200 resident trout stocked annually by ADF&G, increased levels of dissolved oxygen in the lake, lower sediment levels entering the lake, and a more visually pleasing lake. These environmental benefits will be determined by expanded water quality monitoring data, enhanced recreational access and use of Swan Lake, reductions in sediment and nutrient loading to the lake, increased dissolved oxygen levels to support fish, improved overwintering fish habitat, active citizen participation, and tried-and-true techniques in lake management and restoration. *Environmental indicators* include lake dissolved oxygen levels, acres of nuisance aquatic vegetation removed, total suspended solids concentrations in culverts discharging to the lake, number of stations monitored for assessing trends, and number of watershed residents participating in the project.

Deliverables Include:

- [Water quality data](#)
- Photographic documentation of dredged sites and recreational access channels cleared of vegetation and sediments, monitoring activities and riparian buffers
- Storm draining stenciling, verified with photographs
- [Brochure of user-friendly stormwater control practices/BMPs](#)
- AMSA vegetation management policy
- [Monitoring Strategy](#)
- Summary Report evaluating stormwater monitoring results



Project Contacts:

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