

City of Fairbanks

"Fairbanks Stormwater Management Development"

FY 03 Grant Award \$120,000

Project Match: \$80,000



Description and Purpose:

The City of Fairbanks, in conjunction with the University of Alaska Fairbanks, completed development of accurate maps, inventory, and models of the City's storm water drainage system. All this information is required for a fundamental understanding of the stormwater system and is a necessary foundation for continued development of a stormwater management program. This information facilitates communication within the City and other public and private organizations, particularly in emergency situations such

as an oil spill. This information aids compliance with Phase II NPDES requirements and assists in coordinating concerns regarding the Chena River, an impaired waterbody on the State's 303(d) list, with the Lower Chena River Watershed Management Strategy Committee, and the Noyes Slough Action Committee.

This work represents the fourth and final year of a multi-year effort.

Evaluation of Success and Environmental Benefit:

Project benefits include accurate maps, inventory, and models of the City's storm water drainage system. This information facilitates communication within the City and other public and private organizations, particularly in emergency situations such as an oil spill.



Deliverables:

- Shape File Data Files and Storm Sewer Map modules
- Citywide Storm Sewer Maps
- Revised QAPP plan
- Report summarizing sediment collection efforts that includes characterizations of collection sites and transect descriptions, summary analysis of sediment sieving and indication of sediment sources from driving surfaces and gutters.
- Report characterization of summertime flow conditions of Chena River
- Final report that details stormwater calculation model, input and output files, explanatory narrative, stormwater drainage system map, and explanatory narrative, storm water drainage system map and illustration of how the module can be used to solve Phase II storm water management issues, and evaluation of the project's environmental benefits and success.

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