Abstract

Capturing, analyzing, and retrieving ecological field data presents ongoing challenges of data management for the employees of the Watershed Management Division in Seattle's Cedar River Watershed. The use of mobile computing devices, ArcSDE, and ArcGIS facilitates the entry, maintenance and analysis of these valuable data. A database design that leverages the capabilities of relational databases and integrates vegetation plots, transects, and forest plots will be presented. The primary goals of the database are to support long-term monitoring and ecological research as well as to provide an organizational framework for all field data.

Mark Joselyn
City of Seattle
Watershed Management
19901 SE Cedar Falls Road SE
North Bend, WA 98045-9681
USA
Phone: 206-615-1927
Fax: 206-615-1923
E-mail: mark.joselyn@seattle.gov