

DCAP

Facts

Delaware County Action Plan

GIS Capability

Objective

The purpose of the county's Geographic Information System (GIS) is to provide decision-making support for overall phosphorus reduction and management. GIS is used as a repository for baseline land use information and data for specific projects under such broad categories as septic systems, storm-water management, highway projects and stream corridor restoration. GIS data being collected will be used for modeling phosphorus runoff given land use conditions and environmental characteristics. The County is currently using RUNQUAL and SWAT and is under contract for the development of additional models to assist with watershed management in the basin.

GIS Capabilities

Personnel: There are currently three full time staff in the Planning Department dedicated to GIS: a coordinator, an analyst and a technician. In addition, the Planners who are coordinating the Comprehensive Plans for the communities within the Cannonsville Reservoir Basin, are responsible for the production of their GIS data for each community. While the GIS coordinator focuses on data standards and maintenance, the GIS analyst is responsible for ensuring that the modeling programs received will run properly and smoothly. The GIS technician's role in DCAP is to support related tasks such as assisting with correction of field data and creating maps for papers and discussion.

Equipment: A large format plotter was purchased and is utilized to support public outreach and display of data. Also, the GIS

data server was relocated in the Information Technology Department. It resides in a dust free, climate-controlled and secure room and is regularly backed up. County GIS personnel access the server via high-speed fiber optic connection. A small format printer laser-jet, capable of printing tabloid size was also purchased for supporting smaller maps. The Real Property Tax Service Agency is purchasing a large format scanner/plotter that is accessible through the GIS network. The County also has an operational GPS Base Station and correction files are posted to a website that will soon be publicly accessible. Currently when correction files are needed, they can be downloaded from SUNY Delhi via a non-public web site.

Software and training: The GIS staff as well as the environmental staff will continue to receive training in the models the County received.

Funding Sources: The GIS purchase, creation and development has been funded through County tax levy, the sale of tax parcel data to NYC, and various grants such as Appalachian Regional Commission, Department of Environmental Conservation, Safe Drinking Water Act, Army Corps of Engineers, Watershed Environmental Assistance Program, and the largest contributor, the A. Lindsay and Olive B. O'Connor Foundation.

Local Administrative Contact

Delaware County Planning Department
Telephone: 607-746-2944

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Department of Watershed Affairs •• 97 Main Street •• Delhi, NY 13753

Telephone: 607-746-8914 •• Email: h2o@co.delaware.ny.us •• Web site: www.co.delaware.ny.us/depts/h2o/

DCAP is a collaborative partnership with the NYS Water Resources Institute, the Catskill Watershed Corporation, the Watershed Agricultural Council, the NYC Department of Environmental Protection, state and federal watershed partners.

The Plan comprehensively addresses all significant nonpoint contaminant sources in the Cannonsville Basin to meet water quality objectives.

For more information on DCAP contact the Delaware County Department of Watershed Affairs.

