

G.I.S. (GEOGRAPHIC INFORMATION SYSTEM) ANALYST

DISTINGUISHING FEATURES OF THE CLASS: This is professional work involving the use of GIS in environmental, hydrological and land use analyses for Delaware County's Department of Planning and Economic Development. Work will focus on Delaware County's phosphorus reduction program in the new York City Watershed and will also involve a variety of planning, economic development and environmental projects. Duties are performed under the general supervision of the Director of the Department and the GIS Coordinator with leeway allowed for the exercise of independent decision-making. Supervision may be exercised over the work of clerical and non-professional personnel. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only) Performs statistical analysis and land use analyses, locates suitable sites for businesses and industry, and performs environmental and hydrological modeling with the GIS; Technically plans and executes GIS projects in conjunction with phosphorus reduction and various County Planning and Economic Development projects; Creates and manipulates environmental data for use in the County's GIS database; Uses Global Positioning System (GPS) equipment to collect and process site specific GIS data; Prepares maps of spatial data and analyses for various audiences including department staff, governmental officials and other agencies; Prepares and maintains a variety of complex written records and reports; Attends meeting and conferences as assigned; Performs miscellaneous office work.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of ArcInfo and ArcView GIS software products; Good knowledge of the GIS and its use in conducting spatial analysis and in support of environmental and hydrological modeling and land use analyses; Good knowledge of statistical analyses; Good knowledge of GIS terminology; Good knowledge of raster data sets and raster GIS software; Familiarity with GPS data collection and post data processing; Ability to prepare and maintain complex records and reports; Ability to work independently; Sound judgment; Initiative; Dependability; Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Either
A. Graduation from a regionally accredited or New York State registered college with a bachelor's degree in GIS with concentration in environmental and land use analysis and one year of fulltime paid experience in GIS applications; OR
B. Graduation from a regionally accredited or New York State registered college with a bachelor's degree in a related field with concentration in GIS in environmental and land use analysis and one year of fulltime paid experience in GIS applications.

Adopted 3/24/00
reviewed 2/14/01