

CONSERVATION DATA SPECIALIST

DEFINITION

Under the direction of the Land Conservation Department, with technical support from the Division of Information Management, and the Land Information Office, assist conservation personnel and end users with GIS methods; update a variety of GIS coverage's; provide map products and data support for fellow staff members; prepare GIS macros (AML, SML and Avenue scripts); collect and process digital data for GIS products and perform related work as required. This is a project position with continuation subject to continued external funding.

EXAMPLES OF DUTIES

Collect and process digital data for GIS products. Extract geographic data with GIS to run a variety of natural resource models (SLAMM, WINHUSLE, P8 etc.). Summarize and present model results in both map and tabular form. Maintain existing and develop new digital data sets for program monitoring and evaluation. Code macros to perform geographic analysis. Maintain a data dictionary of all processes, data, and map results. Coordinate procedures and data processes with the Land Information Office. Provide support for fellow conservation staff in GIS methods.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of training and experience that demonstrates ability to operate ESRI's GIS software and write macros in ARC Macro Language(AML).

Knowledge and Abilities: Knowledge of coordinate systems principles and techniques of coordinate transformations and projections; knowledge of digital data input methods including digitizing and coordinate geometry; familiarity with topological data structures and relational database management systems; familiarity with computer programming languages; ability to communicate effectively, orally and in writing, with variety of cooperating agencies; ability to work effectively with others.

Special Requirements: Ability to operate ESRI's GIS software and write macros in ARC Macro Language(AML). Prefer ability to operate ARCVIEW 3.X , Microsoft Office Suite, Foxpro and write Avenue programs.