Job Title: Decision Support Systems GIS intern
Job Location: CWCB Offices - Denver, CO
Wage: $13 to $15 per hour
Release Date: February 27, 2012
Apply By: Immediately – job will be filled as soon as a suitable applicant is identified.
Employment Type: 20 - 40 hours per week (up to June 30th or until project completion, whichever comes sooner)

BACKGROUND:

The Colorado Water Conservation Board (CWCB) and the Colorado Water Institute (CWI) have created a cooperative intern program to provide the CWCB with highly qualified undergraduate and graduate student interns. Interns will be selected based on the CWCB's specified needs described below. This cooperative intern program will provide qualified students hands on experience in the conservation, development, management, and protection of Colorado's water resources.

INTERNSHIP DESCRIPTION:

The Decision Support Systems Section of the Colorado Water Conservation Board is looking for one intern to provide assistance in digitizing irrigated parcels in the Arkansas River basin for inclusion in the Arkansas Decision Support System (ArkDSS). This work will be completed at CWCB’s offices under the direct supervision of the GIS Coordinator. The selected student will be expected to have a good understanding of ArcGIS software, some experience with satellite imagery, and have good attention to detail. This internship will provide the student with a good working knowledge of data creation in ArcMap, and some introduction to irrigation practices in Colorado.

DUTIES:

The intern will review aerial and satellite images to determine likely irrigated parcels, delineate such parcels, and attribute irrigation type, such as center pivot or row sprinkler, where such a determination is able to be made. Creation of parcels will be guided by topology rules within a geodatabase.
MINIMUM REQUIREMENTS:

Current enrollment in computer information, physical, environmental, agricultural or biological sciences, or a water-related degree program at a school in the Colorado system of higher education. Applicant must be proficient with windows based operating systems and have experience with the ArcGIS, ArcEditor, or ArcInfo, and basic knowledge of the Microsoft Office Suite, including Outlook, Excel, Access, and Word. Applicant must also have experience with creating and editing features in ArcGIS.

Highly Desirable: An understanding of agricultural practices in Colorado, and experience with satellite imagery analysis. Superb organizational skills and the ability to work well with others and communicate effectively are a must. The successful candidate should demonstrate an ability in problem solving and an attention to detail.

TO APPLY:

On-line applications will be taken here. For more information, contact Reagan Waskom at (970) 491-6308 or Reagan.Waskom@colostate.edu.