

EXPERIENCE

Director of GIS and Conservation Planning GIS and Conservation Planning Manager

November 2012 – present

November 2009 – November 2012

Western Reserve Land Conservancy, Chesterland & Moreland Hills, Ohio

Data Management, Creation, & Reconciliation:

- Managed GIS data for 15+ county region of NE Ohio from various governmental and non-governmental organization
- Create and maintain conservation related GIS layers including regional park and protected land layer, WRLC protected land layer
- Create canopy height layer for 48 counties in Ohio

GIS Management:

- Manage desktop GIS software for Land Conservancy staff
- Manage ArcGIS server software and hardware
- Build and manage internal web mapping application for use by staff
- Supervise GIS staff

Map Making:

- Coordinate all map-making efforts
- Provide mapping support to the Land Protection, Development, and Communication Teams

Conservation Planning and Reporting:

- Develop updated regional land conservation plan utilizing best available information to identify highest priority natural areas and agricultural areas throughout our region
- Co-authored the first ever Regional Conservation Report as a tool for conservation practitioners and funders throughout the region

GIS/IT Program Coordinator GIS Technician

June 2006 – November 2009

November 2002 – May 2006

Delaware Soil and Water Conservation District, Delaware, Ohio

GIS/Database:

- Developed a custom GIS tracking database for use by office staff in ArcView 3.x ("TAGIS")
- Converted custom GIS tracking database & custom resource map generator from ArcView 3.x to ArcGIS 8.x to ArcGIS 9.2 ("Customer Map TAGIS")
- Developed a user-friendly system for customer use to print specific historic aerial photos using Adobe Acrobat & JavaScript
- Scanned and georeferenced historic aerial photos from 1939 through 1988.
- Maintain in-house database of County and Watershed data
- Developed and maintained MS Access non-technical assistance database
- Designed and built a comprehensive MS Access database to manage Drainage Maintenance Project information
- Built, maintained, and analyzed Upper Scioto River Watershed GIS database (covering portions of 9 counties)
- Managed an intern's digitization of existing historic agricultural conservation practices within the County

Skills

ESRI: ArcGIS 10.x,
ArcGIS 9.x,
ArcGIS 8.x,
ArcView 3.x,
ArcPad, ArcPad
Application Builder

Programming
Languages:
Avenue, VBA &
ArcObjects
VBA in MS Excel
and MS Word,
ArcPy

Microsoft Office:
Word, Excel,
PowerPoint,
FrontPage, Access
and some
experience
customizing with
VBA

Adobe: Photoshop,
Acrobat, InDesign,
and PageMaker

Web:
MS FrontPage,
Joomla, MySQL,
and some PHP

Certifications

GISP (GIS
Professional) from
the GISCI, Park
Ridge, IL Cert. #: 00057635

- Designed and manage data collection for surface drainage inventory project of agricultural conservation projects for ARS sampling site subwatersheds

Computer Administration:

- Website – Designed and maintain District Website
- Order, configure and maintain all District computer workstations
- Maintain LAN and networked printers

Research Assistant/Teaching Assistant

Summer 2001 – Summer 2002

University of Toledo Dept. of Geography & Planning, Toledo, Ohio

Field Research Project:

- Helped to design and implement a field work protocol
- Participated in field data collection
- Processed field data using Excel, Erdas Imagine, and ESRI ArcView 3.2
- Organized database of field data
- Mentored REU (Research Experience for Undergraduates) students
- Managed field work at Quarry Farms

Teaching Assistant for Introduction to GIS and Research Methods:

- Graded exams, and assisted students in the computer lab

Graduate Assistant

Spring 2001

University of Toledo Dept. of Geography & Planning, Toledo, Ohio

Redesigned and implemented the Department of Geography and Planning website.

Teaching Assistant

Fall 2000

University of Toledo Dept. of Geography & Planning, Toledo, Ohio

Teaching Assistant for Introduction to Human Geography and Geography of US and Canada:

- Graded exams, maintained lecture notes, and assisted students as necessary

EDUCATION

Geography and Planning, Master of Arts

August 2000 – August 2006

University of Toledo, Toledo, Ohio

GPA 3.925/4.0

Concentrations in: Environmental Planning, Remote Sensing, and Geographic Information Systems (GIS).

Courses completed include: Analytical & Computer Cartography, Introduction to GIS, GIS Applications, Remote Sensing of Environment, Digital Image Analysis, Advanced GIS Seminar, and Environmental Planning.

Art - Photography, Bachelor of Fine Arts

April 1994 – August 1998

University of Toledo, Toledo, Ohio

GPA 3.609/4.0

Major concentration: Photography

Minor concentration: Cyber Arts

CERTIFICATION

GISP (GIS Professional)

2007

GIS Certification Institute (GISCI), Park Ridge, IL

Certification Number 00057635

ACTIVITIES & AWARDS

Lake Erie Allegheny Partnership for Biodiversity Planning Committee member, 2009-present

Society for Conservation GIS member, 2011-present

Ohio Chapter of Society for Conservation GIS, member and organizer, 2012-present

GIS Users of Northern Ohio, member, 2009-present

Ohio Chapter of URISA Webmaster, 2007 - 2009

Ohio Chapter of URISA member, 2005 - 2010

OGRIP (Ohio Geographically Referenced Information Program) Forum At Large Member, 2009

OGRIP (Ohio Geographically Referenced Information Program) Forum At Large Member, 2008

OGRIP Hydrography Task Force Member, 2006 - Present

Ohio SWCD GIS Users' Group Secretary, 2008 - 2009

Ohio Soil and Water Conservation Districts Area 5 Employee of the Year, 2005