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### **PRESENT RESPONSIBILITIES**

**Professor**, Department of Landscape Architecture, Iowa State University (1977 to present)

**Professor**, Department of Agronomy, Iowa Agriculture and Home Economics Experiment Station, Land Use Analysis Laboratory, Iowa State University (1979 to present)

**Faculty member**, Graduate Program in Sustainable Agriculture, Iowa State University (2000 to present)

**Faculty member**, Graduate Program in Water Resources, Iowa State University (2001 to present)

**Advisor**, 11 undergraduate students in landscape architecture, Iowa State University

**Advisor**, 9 graduate students in landscape architecture, water resources, and sustainable agriculture, Iowa State University

### **PROFESSIONAL EXPERIENCE**

**Research Associate**, Land Use Analysis Laboratory, Iowa State University (1974 to 1979)

**Landscape Architect**, James B. Sinatra, Landscape Architect, Ames, Iowa (1975 to 1977)

**Land Use Planner**, Knox and Clarke, Ames, Iowa (1974 to 1975)

**Graduate Research Assistant**, Department of Landscape Architecture, Iowa State University (1972 to 1974)

### **EDUCATION AND PROFESSIONAL REGISTRATION**

Iowa State University, BS in Landscape Architecture, May 1972

Iowa State University, MLA, August 1974

Landscape Architect, No. 94, Iowa Board of Landscape Architectural Examiners

### **PROFESSIONAL ORGANIZATIONS**

American Society of Landscape Architects  
Soil and Water Conservation Society of America

Council of Educators in Landscape Architecture  
American Society for Photogrammetry & Remote Sensing

### **AREAS OF INTEREST**

Geographic information systems  
Remote sensing and photo interpretation  
Computer-aided design and computer graphics  
Design programming, processes, and methods  
Landscape planning in developing countries

Regional landscape design  
Natural resource planning and management  
Environmental impact assessment  
Landscape ecology  
Visual resource management

### **CURRENT/RECENT RESEARCH**

IMPACTS OF LAND USE CHANGES ON SOIL QUALITY IN AMES AND ANKENY, IOWA; Principal Investigators Andrew Manu and Paul F. Anderson; Department of Agronomy, 2003 to present.

SAND AND GRAVEL MINING SITE SUITABILITY MODELING FOR DALLAS COUNTY; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 2002 to present.

GIS DESCRIPTIVE MODELING OF HISTORIC SOIL SUITABILITY FOR AGRICULTURE IN IOWA; Principal Investigator Paul F. Anderson; Iowa Agriculture and Home Economics Experiment Station, 2001 to present.

INTERACTIVE GIS FOR RESOURCE PLANNING AND MANAGEMENT; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 2001 to present.

ARCHAEOLOGICAL SITE GIS PREDICTIVE MODELING FOR CAMP DODGE AND VICINITY; Principal Investigators Paul F. Anderson and Joseph Tiffany; Iowa Army National Guard, 1997 to present.

- 1998 PILOT LAND USE INVENTORY; Principal Investigators Paul F. Anderson and Stuart Huntington, Iowa Legislative Commission on Urban Planning, Growth Management of Cities, and Protection of Farmland, Des Moines, 1998
- IOWA WETLANDS AND RIPARIAN AREAS PLAN; Principal Investigators Paul F. Anderson, Julia Badenhope, and Jeff Logsdon; US Environmental Protection Agency and Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, 1995 to present.
- GEOGRAPHIC INFORMATION SYSTEM FOR SCENIC BYWAY CORRIDOR PLANNING AND FLOODPLAIN MANAGEMENT IN THE LOESS HILLS OF WESTERN IOWA. Principal Investigator Paul F. Anderson; USDA Soil Conservation Service, 1993 to present.
- GIS DIGITIZING AND ANALYSIS OF HISTORIC VEGETATION FROM 1832-1859 GENERAL LAND OFFICE TOWNSHIP PLAT MAPS; Principal Investigator Paul F. Anderson; Iowa Department of Natural Resources, 1992 to present.
- GEOGRAPHIC INFORMATION SYSTEM FOR RECREATION, RESOURCE PLANNING, AND ARCHAEOLOGICAL SITE MODELING IN THE RACCOON RIVER GREENBELT; Principal Investigator Paul F. Anderson; Dallas County Conservation Board, 1989 to present.
- IOWA WELCOME CENTER TOURISM DATABASE AND GEOGRAPHIC INFORMATION SYSTEM; Principal Investigator Paul F. Anderson; Iowa Department of Economic Development, Division of Tourism, 1988 to 1991.
- LAND USE IN IOWA COUNTIES: INVENTORY PROCEDURES, TABULATION, AND PRODUCTS; Principal Investigators Paul Anderson and Kevin Kane; Iowa Department of Soil Conservation and Design Research Institute, 1985.
- DESIGN AND PLANNING APPLICATIONS OF COMPUTER TECHNOLOGY: A NATIONAL SURVEY; Principal Investigator Paul Anderson; Design Research Institute, Iowa State University 1983. (American Society of Landscape Architects Iowa Chapter Research Award, American Society of Landscape Architects National Research Award.)
- INTEGRATED AREA DEVELOPMENT STUDY OF GUATEMALA; Principal Investigator Jerry Knox; U.S. Agency for International Development, 1979-1983.

## **SELECTED PUBLICATIONS**

- Anderson, Paul F. 2003. GIS SITE SUITABILITY MODELING FOR SAND AND GRAVEL EXTRACTION: FINAL REPORT, Board of Supervisors, Dallas County, Iowa, 113 p.
- Kane, Kevin, Patrick Brown, and others. 2000. IOWA'S HISTORIC VEGETATION. In ENVIRONMENTAL ATLAS FOR THE PRAIRIE RIVERS RESOURCE CONSERVATION AND DEVELOPMENT. Iowa Gap Analysis Program and US Department of Agriculture, Natural Resources Conservation Service, p. 11.
- Anderson, Paul F. and others. 1999. IOWA WETLANDS AND RIPARIAN AREAS CONSERVATION PLAN. US Environmental Protection Agency and Iowa Department of Agriculture and Land Stewardship, Division of Soil Conservation, 121 p.
- Anderson, Paul F. and others. 1998. FINAL REPORT ON THE 1998 PILOT LAND USE INVENTORY; Principal Investigators Paul F. Anderson and Stuart Huntington, Iowa Legislative Commission on Urban Planning, Growth Management of Cities, and Protection of Farmland, Des Moines, 186 p.
- Anderson, Paul F. 1998. GIS PREDICTIVE MODELING OF ARCHAEOLOGICAL SITES IN CAMP DODGE, JOHNSTON, IOWA, Iowa National Guard, 43 p.
- Anderson, Paul F. 1997. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GENERAL LAND OFFICE TOWNSHIP PLAT MAPS. Living Roadway Trust Fund, Iowa Department of Transportation and Iowa State University, 256 pp.
- Anderson, Paul F. 1995. GIS MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT OF DALLAS COUNTY, IOWA. Dallas County Conservation Board, 37 pp.
- Anderson, Paul F., Dinah Kerksieck and Pam Neenan. 1992. RESEARCH IN GEOGRAPHIC INFORMATION SYSTEMS: GRASS/GIS AND CONSERVATION RESERVE LANDS. Land Use Analysis Laboratory and College of Design, Iowa State University, 13 pp.
- Mackey, Alan and Paul F. Anderson. 1989. IOWA'S HOT SPOTS: LOOKING AHEAD IN LAND STEWARDSHIP. Iowa Natural Heritage, Winter 1989, p 18-19.
- Kane, Kevin L. and Paul F. Anderson. 1985. APPLICATION OF LANDSAT DATA AND THE MSDAMP INFORMATION SYSTEM TO REGIONAL RECREATION PLANNING. In Proceedings of the Annual Meeting of the Landscape/Land Use Planning Committee, American Society of Landscape Architects, Cincinnati, Ohio, p. 19-28.
- Anderson, Paul F. 1984. STATS ON COMPUTER USE. Landscape Architecture, Vol. 74, No. 6, p. 101-102.
- Knox, Jerry. 1983. A RURAL DEVELOPMENT PLANNING PROGRAM FOR GUATEMALA. U.S. Agency for International Development, Washington, D.C. 153 p.
- Anderson, Paul F. 1983. DESIGN AND PLANNING APPLICATIONS OF COMPUTER TECHNOLOGY: A NATIONAL SURVEY. Design Research Institute, Iowa State University, Ames. 121 p.
- Gulliford, James, et al. 1982. COUNTY LAND USE INVENTORY GUIDEBOOK. Iowa Department of Soil Conservation, Des Moines. 17 p.

- Anderson, Paul F., Julia A. Rodriguez, and M. Susan Erickson. 1981. MANUAL PARA USUARIOS DE PROGRAMA DE MAPEO SIMBOLICO (SMAP/MSDAMP). Traduccion por Walter Grajeda. Instituto de Fomento Municipal, Estudios Integrados de las Areas Rurales. Gobierno de Guatemala, 60 p.
- Anderson, Paul F. 1980. REGIONAL LANDSCAPE ANALYSIS. Environmental Design Press, Reston, Va. 248 p.
- Anderson, Paul F. 1979. INVENTORY AND EVALUATION OF POTENTIAL AREAS FOR THE PROTECTED WATER AREAS PROGRAM. Iowa Conservation Commission, Des Moines. 95 p.
- Anderson, Paul F. 1979. VISUAL LANDSCAPE RESOURCES: COMPUTER ASSISTED TECHNIQUES FOR INVENTORY, ANALYSIS, AND MANAGEMENT. Design Research Institute, Iowa State Univ., Ames. 59 p.
- Anderson, Paul F. 1978. LAND USE AND NATURAL RESOURCE INFORMATION SERVICES FOR COMMUNITY DEVELOPMENT--OTTUMWA, IOWA. Land Use Analysis Laboratory, Iowa State University, Ames. 41 p.
- Anderson, Paul F. and David D. Faxlanger. 1976. INTERPRETATIONS OF NATURAL RESOURCE DATA FOR LAND USE POLICIES IN STORY COUNTY, IOWA. In Land Use Policies, Zoning Ordinance, and Subdivision Regulations for Story County, Iowa, by Jerry Knox and Lance Clarke. Community Planning and Management Consultants, Ames, Iowa. 94 p.
- Anderson, Paul F. and Glenn H. Beavers. 1976. RECONNAISSANCE LEVEL IDENTIFICATION OF POTENTIAL NATURAL RESOURCE CRITICAL AREAS. Land Use Analysis Laboratory, Iowa State University, Ames. 44 p.
- Anderson, Paul F., et al. 1975. NATURAL RESOURCE ANALYSIS--STORY COUNTY, IOWA. Land Use Analysis Laboratory, Iowa State University, Ames. 38 p.
- Sinatra, James B., Paul F. Anderson, and D.D. Faxlanger. 1975. RECOMMENDED ALTERNATIVES FOR THE PLANTING OF THE ROCK FORESLOPE ALONG HIGHWAY 52 SOUTH OF GUTTENBERG, IOWA. Iowa Department of Transportation, Ames. 17 p.
- Anderson, Paul F. 1974. VEGETATION INFORMATION IN COUNTY RESOURCE PLANNING. M.L.A. Terminal Project. Department of Landscape Architecture, Iowa State University, Ames. 174 p.
- Anderson, Paul F., et al. 1973. A LAND CLASSIFICATION METHOD FOR LAND USE PLANNING. Land Use Analysis Laboratory, Iowa State University, Ames. 120 p.
- Sinatra, James B., Paul F. Anderson, J. Craig Taggart, and Glenn H. Beavers. 1973. LANDSCAPE OVERVIEW--AMES RESERVOIR ENVIRONMENTAL STUDY. Iowa State Water Resources Research Institute, Ames. 345 p.

### **SELECTED PAPERS PRESENTED**

- Anderson, Paul F. 2003. GIS SITE SUITABILITY MODELING FOR SAND AND GRAVEL EXTRACTION, Iowa Geographic Information Council conference, Ames, Iowa.
- Anderson, Paul F. 2002. REGIONAL LANDSCAPE DESIGN, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 2001. GIS DESCRIPTIVE MODELING OF AGRICULTURAL SUITABILITY, Iowa Geographic Information Council conference, Iowa City, Iowa.
- Anderson, Paul F. 2001. LANDSCAPES FOR LEARNING, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 2000. GIS MODELING FOR MANAGEMENT OF LOESS HILLS RESOURCES, Iowa State University Extension Service Conference, Ames, Iowa.
- Anderson, Paul F. 2000. REGIONAL LANDSCAPE DESIGN, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 2000. GIS SUITABILITY MODELING WITH MODELBUILDER, American Society of Landscape Architects, Iowa Chapter, Ames, Iowa.
- Anderson, Paul F. 1999. MAKING LANDSCAPES SUSTAINABLE, Federated Garden Clubs of Iowa, Luther, Iowa.
- Anderson, Paul F. 1998. GIS HISTORIC VEGETATION OF IOWA 1832-1859, annual meeting of the Association for Preservation Technology international annual conference, Learning from Landmarks: Analysis, Philosophy, Technology, Landscapes, Williamsburg, Virginia.
- Anderson, Paul F. 1996. GIS MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT IN DALLAS COUNTY, IOWA. Council of Educators in Landscape Architecture Annual Meeting, Spokane, Washington.
- Anderson, Paul F. and Michael C. Miller. 1996. GIS DESCRIPTIVE MODELING OF HISTORIC VEGETATION FROM GLO TOWNSHIP PLAT MAPS. Council of Educators in Landscape Architecture Annual Meeting, Spokane, Washington.
- Anderson, Paul F. 1996. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GOVERNMENT LAND OFFICE TOWNSHIP PLAT MAPS. Mid-America GIS Symposium, Kansas City.
- Anderson, Paul F. 1995. GIS PREDICTIVE MODELING OF ARCHAEOLOGICAL SITES IN THE RACCOON RIVER GREENBELT IN DALLAS COUNTY, IOWA. International Association of Landscape Ecology Annual Symposium, Minneapolis Minnesota.
- Anderson, Paul F. and Michael C. Miller. 1995. GIS RESEARCH TO DIGITIZE MAPS OF IOWA 1832-1859 VEGETATION FROM GENERAL LAND OFFICE TOWNSHIP PLAT MAPS. International Association of Landscape Ecology Annual Symposium, Minneapolis Minnesota.