

Professional Background

3. Since 2003, I have been the Executive Director of the Association of American Geographers (AAG), the largest professional geography association in the U.S. Previously, I had held the position of Director of Research and Strategic Initiatives for AAG. My responsibilities include developing new initiatives for the AAG dedicated to the advancement of geographic research, education, understanding and application including coordination of policy and technical collaboration with numerous external organizations on behalf of AAG.

4. I founded and was the president of GeoResearch, Inc., a company I owned from 1980 until 1998. GeoResearch developed and patented the world's first real-time interactive GPS/GIS mapping and geographic data collection technology, which led to significant advances in the ways in which geographic information is now collected, mapped, integrated, and used within the fields of geography, GIS and mapping, as well as in society at large.

5. I have special knowledge, skill, and 30 years experience in the fields of geography, mapping and GIS. I have written over 100 publications related to geography, GIS, mapping technologies, and geospatial data collection.

6. I possess a PhD in Geography from Michigan State University, East Lansing.

The Technological Revolution and the Geospatial Community

7. The geospatial community is comprised of a highly diverse and multidisciplinary collection of public and private sector professionals, corporations,

academic programs, researchers, educators, non-profit organizations, governmental agencies (federal, state and local) and international organizations.

8. Geography and geospatial analysis are foundational components of this technological revolution, of which GIS is a principal element. A GIS is defined as an information system that is used to input, store, retrieve, manipulate, analyze, and output geographically referenced data, or “geospatial data,” in order to support decision-making, planning, and management of spatial information across nearly every known discipline, industry or topical area.

GIS/Geospatial As a Growing Industry

9. As reported by Daratech, Inc., the worldwide GIS/Geospatial marketplace generated revenues of US\$3.63 billion in 2006, up from US\$2.82 billion in 2004, a 17% increase. Those revenues are driven by the sale or licensing of software, hardware, and data, and contracting for professional services including development, integration, and customization of GIS, and the creation, analysis, management, and storage of geospatial data.

10. In 2004, the U.S. Department of Labor identified geotechnology as one of the three most important emerging and evolving fields, along with nanotechnology and biotechnology.

The Current Scope of the GIS and Computer Mapping Industry

11. The GIS and computer mapping industry employs tens of thousands of researchers, software and data developers, hardware designers and manufacturers, educators, applications services providers (ASPs), consultants,

trainers, data collection technicians, geospatial data providers, computer scientists, planners, geographers, subject matter specialists and sales and marketing personnel in the United States. The vast majority of personnel in the geospatial community are not licensed surveyors.

12. Academics, including those represented by amicus UCGIS, are performing a vast array of geospatial R&D, and teaching the next generation of students. Academics and students alike are advancing geospatial technology to help solve a wide range of global problems.

13. Through peer-reviewed portfolios, amicus GISCI has certified 1,370 GIS professionals in the core competencies and best practices of the industry.

14. The computerized mapping and GIS community has exploded over the past few decades, and its maps, data and services are now pervasive in the daily management activities of businesses, government, and even consumers. In addition to GIS software and services companies, many computerized mapping applications and services are being provided by innovative companies such as Google, MapQuest, and OnStar.

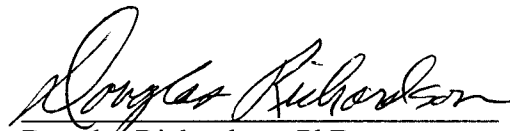
15. Geospatial technologies, applications, and employment needs in both government and industry are growing rapidly, and these GIS and mapping applications often require sophisticated skills in computer science, geographic (spatial) analysis, information technology, geographic information science, cartography, statistics, and related fields, as well as subject matter expertise in a wide range of disciplines, ranging from wildlife biology to urban planning, from

criminology to ecology, from electric utilities to public health, and hundreds of others.

**Potential Effect
of the *MAPPS* Lawsuit**

16. To limit federal procurement of all mapping and GIS services to licensed engineers and surveyors would cripple the GIS industry and the government agencies that depend on the talent, scientific and technical skills, and the innovation of the vast majority of the existing GIS and mapping workforce.

This, the 24th day of January, 2007.


Douglas Richardson, PhD

Sworn and subscribed before me this

the 24th day of January, 2007.



Notary Public

My Commission expires: 10-17-08

John McIlveen
Notary Public, District of Columbia
My Commission Expires 10-14-2008