

# TIM J. AGNELLO

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3869 Kilbourne Avenue • Cincinnati, Ohio 45209 • 513.321.3391

## Summary Profile:

**Self employed consulting engineering geologist, specializing in landslide, stream erosion, and hazard investigations. Resourceful, thorough, hands-on professional with strong analytical skills and demonstrated ability to problem solve and relay pertinent information to clients and the public.**

- M.S. in Engineering Geology with emphasis on site characterization, past use, and stability.
- Working knowledge of Geographical Informational Systems (GIS) and site location analysis.
- Professional Geologist, State of Kentucky & nationally Certified Professional Geologist.

## Education:

- Master of Science, Engineering Geology, University of Cincinnati, 2002
- Bachelor of Science, Geology, University of Cincinnati, 1982

## Study conducted and completed for the City of Cincinnati:

1999-2002, Land Use and Landsliding in Price Hill, Cincinnati, Ohio. An engineering geology study of chronic landsliding and the relationship to historic land use patterns on a 170 acre hillslope. Study completed for the City of Cincinnati Geotechnical Division and also utilized by the City Planning Department for land development efforts. Deliverable products included traditional paper maps and report along with accompanying GIS (Geographical Information Systems) digital data set created by the author using GIS software. A GIS data layer of landslide features was created for internal City use along with a relative stability GIS data set created to supplement CAGIS (Cincinnati Area Geographical Information Systems) data for utilization by the public and private sector.

## Presentations given:

- 2003-2007, Cincinnati Area Board of Realtors all day short course on Geologic Hazards of Cincinnati or What Every Realtor Should Know about the Geology of Cincinnati. Workshop attendees include residential and commercial real estate agents, appraisers, and property managers.
- 2005, led Northern Kentucky Area Planners Workshop on landsliding in Boone, Kenton, & Campbell County. All day workshop sponsored by the Kentucky Geological Survey, Northern Kentucky Area Planning Commission, and Boone, Kenton, & Campbell County Soil Conservation District. Attendees included public officials, emergency management personnel, planning and zoning personnel, building inspectors, and representatives from financial institutions.
- 2004, Greater Cincinnati Landslide Susceptibility. Oral presentation given at the University of Cincinnati for environmental professionals.
- 2002, Landslide Terrain Analysis of A Spatially and Temporally Human Influenced Hillslope, Cincinnati, Ohio. Oral presentation given to the Geological Society of America, Denver, Colorado under the Topical Session: Humans as A Geologic Agent, 195-4, Oct 30.
- 2001, Land Use and Landsliding in Price Hill, Cincinnati, Ohio. Oral presentation given to the University of Cincinnati geology and civil engineering faculty and various public officials.

## Papers published & presented:

- 2007, A Proactive Approach to Increasing Public & Professional Awareness of the Landslide Potential in the Greater Cincinnati Area of northern Kentucky, southwestern Ohio, and southeastern Indiana through Workshops Emphasizing the Historic & Modern Pattern of Landsliding in Tandem with Visits to Sites where Active Landsliding is Damaging Structure. For the First North American Landslide Conference, June 3-8, 2007 on Landslides and Society: Integrated Science, Engineering, Management, and Mitigation.
- 2005, Historic Rock Quarries and Modern Landslides in Price Hill, Cincinnati. Ohio Geology magazine, Ohio Department of Natural Resources, Division of Geological Survey.

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### **Papers published & presented continued:**

- 2003, Road Building & Landsliding on the Cincinnati Hillsides. The Hillside Trust Outlook Volume XXI, Issue 1.
- 2003, Residential Lot Development and Landsliding on Cincinnati Hillsides. The Hillside Trust Outlook Volume XXI, Issue 2.
- 2002, Landslide Terrain Analysis of A Spatially and Temporally Human Influenced Hillslope, Cincinnati, Ohio. Oral presentation given to the Geological Society of America, Denver, Colorado under the Topical Session: Humans as A Geologic Agent, 195-4, October 30. Abstract.
- 2001, Limestone Quarries and Landsliding in Price Hill. The Hillside Trust Outlook Volume XX, Issue 1. The impact of rock quarry activity in the early 1800's to 1920 and its relationship to landsliding.

### **Board Membership & Awards:**

- Board trustee for *The Hillside Trust* (appointed terms 2002-2005 & 2005-2008) whose mission is to advocate thoughtful use of our hillsides. The Hillside Trust actively works to help achieve a balance between the competing interests of development and conservation for the undeveloped Greater Cincinnati hillsides. Serving as a geologist on the Land Use Advisory Committee whose purpose is to review hillside development proposals submitted by various public entities and concerned citizens in southern Ohio, northern Kentucky, and southeastern Indiana. Averaging 2-4 development proposals reviewed per month which include small residential development (<20 units) sites, large residential national builder developments, to regional and neighborhood commercial retail development proposals.
- August 2002 Issue of GeoSpatial Solutions magazine, [www.geospatial-online.com](http://www.geospatial-online.com), "Top Apps 2002 International Brainiacs": *Sliding into Cincinnati*. Top 10 finalist.

### **Examples of Selected Site Investigations:**

- 2002-2007, Hillside Trust Land Use Committee, review of various land development proposals for landslide potential in southern Ohio, northern Kentucky, southern Indiana.
- 2007, Wiedemann Hill, northern Kentucky, residential landslide investigation.
- 2004-2006, Industrial site assessment for geologic resources, Ohio.
- 2006, Mt. Look Out, residential home investigation for landslide potential.
- 2004, Price Hill, vacant commercial lot 4 acre site critiqued for landslide potential.
- 2004, New Richmond, Ohio, residential landslide investigation.
- 2003, Paddock Hills, residential landslide site investigation.
- 2002, Madeira, residential lot and home being impacted by stream erosion.
- 2002, Mt. Look Out, residential home being impacted due to failure of culvert.
- 2001, Price Hill, Davenport Street, former site of rock quarry characterized for landslide potential.
- 2000, Cincinnati Bible College property assessed for landslide potential.
- 1999, West View condominiums, Price Hill, landslide report prepared.

### **Professional Memberships and Licenses:**

- C.P.G., Certified Professional Geologist, American Institute of Professional Geologists #10981
- P.G., Licensed Professional Geologist, State of Kentucky, License #2368
- Member of the Geological Society of America, Engineering Geology Division, 1999.
- Member of the Association of Environmental & Engineering Geologists (AEG), 2002.
- Member of the American Institute of Professional Geologist (AIPG), 2005.