

## Wisconsin Land Information Association

• Fall Regional Meeting • October 19 & 20, 2006 • Stone Harbor Resort in Sturgeon Bay, WI •

***BROADEN YOUR HORIZONS AND COLLABORATE WITH YOUR PEERS TO EXPAND SPATIAL THINKING!!***

### **Agenda: Thursday October 19, 2006**

- 8:30 – 9:00      **Registration**
- 9:00 – 10:30      **Explore Autodesk Map® 3D 2007**  
*Matt Winger, IMAGINiT Technologies - GIS Application Engineer*  
Autodesk Map® 3D 2007 is powerful software for creating and maintaining precise spatial and design data and helps users work faster and more efficiently everyday.  
  
Attendees will learn the new way to access spatial information; how to query information and use stylization and theming techniques to manipulate the data into maps; and the new way to publish to DWF with data attached; create a real world, real terrain look to all their maps and magnify the contrast up to 50x or more. Access data from one spatial database file and create many different maps just from the database alone.
- 10:45 – 11:45      **Linear Mapping Applications – SnapMap: GPS referenced high resolution still digital imagery integrated with GIS for corridor evaluation**  
*Brian McGee, American Transmission Company –Team Leader, GIS Services*  
Using still digital imagery positionally linked with GPS data, American Transmission Company (ATC) is capturing high resolution forward-facing oblique aerial still photographs along existing and proposed electric transmission line corridors to support routing and siting evaluation. Using a very intuitive data viewer called SnapMap, the still digital imagery is coupled with standard GIS base map layers such as planimetric features, cadastral data, DRGs, and orthophotography to provide the end user with simultaneous, synchronized oblique and orthogonal views.  
  
This presentation will provide examples from several recent projects and discuss other potential applications.
- 12:00 – 1:30      **LUNCH** (*on your own*)
- 1:30 – 2:15      **Towards a Dynamic and Distributed Coastal GIS: Lessons Learned From Over a Decade of Great Lakes GIS Outreach in Wisconsin**  
*David Hart, University of Wisconsin Sea Grant Institute - Coastal GIS Specialist*  
Geospatial technologies have been applied to Great Lakes issues by UW Sea Grant and the Land Information and Computer Graphics Facility at UW-Madison as a formal partnership since 1995. This mission leverages the sizeable investment in local government land information systems in Wisconsin to support decision-making about Great Lakes coastal management. In order to address the needs of coastal decision-makers and develop a strategic approach to this partnership, a conceptual model was developed to guide the application of geospatial technologies. The first phase focuses on the use of GIS “teaching models” to address specific coastal issues in specific places, such as shoreland zoning, coastal erosion, floodplain management, and water quality. The second phase examines the use of GIS for integrated and comprehensive coastal planning and management – moving from local to regional issues. The third phase explores the use of GIS for “dynamic and distributed” coastal management. A dynamic and distributed GIS is one where custodians, whether they be local, regional, state, federal, academic, or non-profit, maintain and provide access to the most current spatial data and multiple remote users can access and integrate data in real-time from multiple sources. The fourth phase utilizes visualization and “virtual earth” tools to promote a more intuitive understanding of coastal issues. This presentation will summarize coastal GIS outreach efforts in Wisconsin since 1995, discuss future directions for coastal GIS research and outreach, and identify new technologies that could help make GIS outreach to coastal counties more effective.

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2:30 – 5:30      **Annual WLIA Golf & Croquet Outing**

5:30 – 6:30      **Awards Presentation & Social**

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### **Agenda: Friday October 20, 2006**

7:00 – 8:00      **LION Meeting**

8:00 – 9:00      **WLIA Committee Meetings**

8:30 – 9:00      **Registration**

9:00 – 9:45      **HAZUS-MH Overview**

*Kent MacLaughlin, Wisconsin Emergency Management, Department of Military Affairs - Disaster Response and Recovery Planner*

The Hazards U.S. Multi-Hazard (HAZUS-MH), is a nationally applicable standardized methodology and software program that estimates potential losses natural disasters, including flooding. HAZUS-MH was developed by the Federal Emergency Management Agency (FEMA) under contract with the National Institute of Building Sciences (NIBS).

HAZUS-MH uses state-of-the-art geographic information system software to map and display hazard data and the results of damage and economic loss estimates for buildings and infrastructure. It also allows users to estimate the impacts of earthquakes, floods, and hurricane winds on populations.

Estimating losses is essential to decision-making at all levels of government, providing a basis for developing mitigation plans and policies, emergency preparedness, and response and recovery planning.

9:50 – 10:35      **Accessing and Using USDA Farm Field Boundaries and Orthophotography**

*Larry Cutforth, US Dept. of Agriculture, Farm Service Agency –GIS Coordinator*

The USDA Farm Service Agency (FSA) has developed farm field boundary data and acquired orthophotography for all WI counties. The development, accessibility, and application of these data will be discussed. The USDA Geospatial Gateway will be featured as an access point for acquiring these and other USDA datasets.

10:40 – 11:25      **Utilizing GIS and Land Records to Implement Conservation & Water Quality Programs**

*Tami Castonia, Brown County Land & Water Conservation Department – GIS Specialist*

The Brown County Land Conservation Department has built upon foundational GIS layers to create data and systems for daily planning and implementation of water quality programs. Examples of this data are agriculture fields, land cover, hydrography, riparian buffers, hazardous and restricted land application areas, well protection areas, best management practices, and animal waste management permits. These datasets have enabled the department to efficiently create conservation plans as well as monitor program progress and county ordinances.

11:30 – 12:30      **Iowa County –Implementation of CAD & Wireless 911: Problems and Concerns**

*Cristina D. Pearson, Iowa County - GIS Coordinator*

Iowa County recently implemented a Computer Aided Dispatch system in Iowa County. We began the address-mapping phase of the project and experienced many difficulties along the way. Inaccurate MSAG, ESN Zones, address ordinances and non-cooperation with the E-911 provider are some of the issues the County has had to address. This presentation will further elaborate on these issues and possible solutions.

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### **Calumet County –Issues in Maintaining a Regional CAD & Wireless 911**

*Andy Hess, Calumet County - GIS Specialist*

Calumet County has been part the regional FoxComm Emergency 911 consortium since it's inception in 2001. Since that time there have been many implementation and maintenance issues to overcome. From the usual MSAG errors and new C.A.D. system problems, to the more unusual issues only regional E911 systems deal with, we have encountered and overcame many technical and communicational hurdles. This presentation will touch on the C.A.D. system Foxcomm uses, the pros and cons of a regional system, and some of the issues associated with implementing and maintaining the wireless portion of our E911.

12:30 – 2:00

**LUNCH & Town Meeting** *(to include updates from the Emergency Management & County Coordinate System Task Force)*

2:30 – 3:30

**WLIA Board of Directors Meeting**

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**To Register:** Please email Ann Barrett at: [abarrett@uniontel.net](mailto:abarrett@uniontel.net) or fax: 715-366-4501 or call: 800-344-0421 to register for the Fall Regional Meeting in Sturgeon Bay, WI. Please indicate what you plan to attend below\*.

**Directions to the Stone Harbor Resort:** Can be found on the "Directions tab" on the bottom of the Stone Harbor Resort webpage: <http://www.stoneharbor-resort.com>

**Lodging Reservations:** WLIA has a block of rooms at the Stone Harbor Resort, 107 North First Avenue, Sturgeon Bay, WI 54235 on Wednesday and Thursday, October 18 and 19 at \$62 single/\$\$129 for a one-bedroom suite. They have also offered us a special weekend rate of \$79.00. Please call the Stone Harbor directly for reservations at 877-746-0700 or 920-746-0700 or visit their website at: <http://www.stoneharbor-resort.com> They will honor the WLIA group rate as long as rooms are available.

**Cost:** Workshop: \$40.00 member/\$50.00 non-member. Friday meeting: \$30.00 member/\$40.00 non-member. Make check payable to WLIA and mail to: WLIA, P.O. Box 389, Wild Rose, WI 54984. Check must arrive prior to October 19, 2006 or you may pay by MasterCard or Visa.

**Cancellations:** You may cancel by Friday noon, October 13, 2006 for a full refund. No refunds after that date.

### **REGISTRATION FORM:**

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
City, State Zip \_\_\_\_\_  
Email \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

### **CHECK ATTENDANCE\*:**

Thursday Meeting  \$40.00 member  \$50.00 non-member  
Friday Meeting  \$30.00 member  \$40.00 non-member

### **PAYMENT:**

Please make check payable to WLIA OR  MasterCard or  Visa

\_\_\_\_\_  
Card Number

\_\_\_\_\_  
Exp. Date

\_\_\_\_\_  
Signature

**Total Amount** \$ \_\_\_\_\_

Will you need a receipt faxed to you?  Yes  No

Please fax this form to Ann Barrett, WLIA at 715/366-4501  
or mail to WLIA • PO Box 389 • Wild Rose • WI • 54984