Wisconsin Land Information Association 2006 Annual Conference

Final Program

"Navigating the Data Jungle"

March 1 - 3, 2006
Kalahari Resort & Convention Center
Wisconsin Dells, Wisconsin

"Navigating The Data Jungle"
March 1 - 3, 2006
Kalahari Resort and Convention Center, Wisconsin Dells

WELCOME to the 19th Annual WLIA Conference at the Kalahari Resort and Convention Center in Wisconsin Dells. Our theme this year is "Navigating the Data Jungle," and I'm sure that the program will provide vast insight on the challenges we face daily. The opportunities for learning, networking, and just having fun are all at your command.

We have followed the end of the week, three-day format with a few modifications from the suggestions of the membership. Please keep the comments coming because they are invaluable to the future conference chair and committee. It is our desire to make this *your* conference*,* so please let us know how we are doing.

For those of you that have worked on the conference committee, you have my deepest appreciation. I would also like to thank Ken Pabich, Alissa Bails, the WLIA Board of Directors, and Ann Barrett for their help and support. The job of putting this conference together would have been impossible without your help.

2005 started with us adapting to change. We have navigated our way through the elimination of the WLIB, new partners at DOA, a new state budget, and a new geographic information officer. Change can certainly be threatening, but change can also present great opportunity. Recognizing the opportunity, the WLIA embarked on a strategic plan, which we will officially adopt this week. The Association also secured federal funding to broaden the strategic planning effort and include stakeholders outside of the WLIA. This activity will gear up shortly, so be looking for your chance to participate. In 2006, we will begin implementation of the strategic plans and working towards securing opportunities for the future.

On the topic of participation, this is *your* association and what you gain from it is directly related to what you contribute. I urge you to get involved in committees, task forces, writing articles for the newsletter, or contributing in any way you can. We all have something to offer, and we can learn from each other.

I am looking forward to my year as your president and make the commitment to listen, collaborate, and lead. Please feel free to contact me at (608) 443-1251 or at *halfenf@ayresassociates.com* with your comments and ideas.

Enjoy the conference, learn something, make a new friend, and make a splash in the water park – and the WLIA.

Fred Halfen
President Elect
Wisconsin Land Information Association

WLIA 2006 Annual Conference Highlights

Pre-conference Workshops
The 2006 conference will include eight pre-conference workshops. The topics range from geodata base design to customer service, with some offering Continuing Education Credit (CEU). Space is limited and will go fast, so register early to guarantee your seat.

Pub Crawl
On Wednesday evening, after a day of expanding your knowledge at the workshops, join your colleagues on a tour of Wisconsin Dells' best watering holes. Transportation from the hotel will take you downtown and back where you can enjoy your favorite beverage, socialize with your peers, and, best of all, leave the driving to us. The event will start at 5:30 p.m. and we'll travel to 3 different pubs including MooseJaw, Essen Haus and ending at Ho-Chunk casino. There will be food provided at each place and beverages are on your own. The evening will end at 9:00 p.m. and bring you back to the Kalahari where you can continue the evening at Kahunaville.

Keynote Sessions
This year's conference will offer opening plenary sessions on both Thursday and Friday. On Thursday, Richard Toliver will open the conference. Rich will share experiences from 30 years of working in the defense industry using geospatial technology for covert operations. On Friday, David Mockert, the newly hired Geographic Information Officer (GIO) for the State of Wisconsin, will address the conference on his role as GIO.

Exhibit Hall
The exhibit hall is great place to meet our business partners and other exhibitors. The latest in technology and services will be demonstrated and on display. Exhibit hours are 10:00 a.m. to 7:30 p.m. on Thursday and 9:00 to 11:00 a.m. on Friday. Refreshment breaks during the conference will be offered in the exhibit hall, and on Thursday evening a reception will be held with an address to the conference by Governor Jim Doyle (invited).

Silent Auction and Game Night
A silent auction will be held again this year in the exhibit hall. The auction raises money for the Association's scholarship program. Last year, several thousand dollars were bid on items ranging from hotel gift certificates to rounds of golf with sports celebrities. The exhibit hall reception on Wednesday evening is also game night. Last year, this fun event packed the exhibit hall and many prizes were won or lost based on participants' game skills.

Poster Competition
Back again by popular demand is the poster competition. Showcase the interesting things you've been working on – as well as your cartographic design skills. Awards will be presented for the best entrees in several categories.

Closing Luncheon Awards
We all work very hard at our "for pay" jobs, but many of our members also donate significant time and energy to the benefit of the Association and the Land Information Program. Information on nominating individuals and achievements is available, so please recognize those who step up to the challenge.

Technical Sessions
This year's conference has 50 technical sessions across five tracks. It's safe to say there's something here for everyone.

A Special Welcome Session for First-Time Conference Attendees
Two of the Association's seasoned veterans will lead an orientation session for those who are new to the WLIA and our annual conference. New members and first-time attendees can get a fast start on what we are all about.

WLIA Town Meeting
A town meeting will be conducted during the lunch break on Thursday. The meeting will contain reports from the chairs on the activities of the Association's committees and task forces. The meeting will also afford the opportunity to discuss Association activities and future directions. The winners of the Association's scholarships will also be presented.

Strategic Planning Session
Immediately following the town meeting on Thursday, Association President Ken Pabich will present the completed strategic plan for the Association. After many months of work and participation from numerous members, we now have a road map to the future.

LION Meeting
There will be a meeting of the Land Information Officers on Thursday from 3:30 p.m. - 5:00 p.m.

Job Board
Post your job opening or look for a new opportunity. The job board will be located near registration.

WLIA 2006 Annual Conference Overview
Kalahari Convention Center, Wisconsin Dells, Wisconsin

	Wednesday						Exhibitors
7:00	Registration Opens at 8:00 a.m.						NA
9:00	Workshop 1 - Tamboti Room	Workshop 2 - Aloeswood Room	Workshop 3 - Marula Room	Workshop 4 - Aralia Room	Workshop 5 - Mangrove Room	Workshop 7 - Guava Room	
	Building your Communication Toolbox to Maximize Customer Service	"What Color Is Your Personality"	Cartographic Design	Applying LiDAR data in Wisconsin Organizations	Geodatabase Design & Migration Strategies	ArcGIS 9x Tips and Tools	
12:00	Lunch Suites D & E						
1:30	Workshop 1 - Tamboti Room	Workshop 2 - Aloeswood Room	Workshop 3 - Marula Room	Workshop 4 - Aralia Room	Workshop 6 - Mangrove Room	Worshop 8 - Guava Room	Exhibitors Setup TBD
	Building your Communication Toolbox to Maximize Customer Service (continued)	"What Color Is Your Personality" (continued)	Cartographic Design (continued)	Applying LiDAR data in Wisconsin Organizations (continued)	Introduction to Parcel Editing in Geodatabase	How to better understand the GIS in your PSAP	
4:30	WLIA Board Meeting - Empress Room						NA
5:30	Wisconsin Dells Pub Tour						
9:00							

	Thursday					
	Track 1: Surveying & Mapping - Tamboti Room	**Track 2: Data Integration & Distribution - Aloeswood Room**	**Track 3: Politics, Policy, & Administration - Marula Room**	**Track 4: Innovation & Applications - Aralia Room**	**Track 5: Technology Demonstration - Mangrove Room**	**Exhibits - Suites I, II, VII, VIII**
7:00	**Past President Breakfast** - Empress Room					NA
8:00	**Conference Opening and Keynote:** **Rick Toliver, "Geospatial Technology in Covert Operations"** Suites III, IV, V & VI					
9:00	WDNR 1:24,000 Hydrography Database Conversion to NHD Compatible Geodatabase: Status and Partnership Discussion	The Relationship of Real Property Listing and LIS in Waukesha County	Welcome to WLIA: An Introduction to the Association	Using an ArcGIS Server Web Service to Provide Natural Heritage Inventory Data	Land Records Data Entry Automation	**Exhibitors Setup**
9:45	High Resolution Satellite Imagery: The Vision vs. the Reality	How Winnebago County GIS and Emergency Management Work as a Team	Geospatial Standards: WLIP Meets NSDI	Implementation and Use of Next Generation Toolkit	Practical Data Management in Spatial Technology	
10:30	**Refreshments in the Exhibit Hall** - Suites I, II, VII, VIII					**Exhibits Open**
11:15	Autocorrelation for Surface Generation	Columbia County Integrated Land Records System	What's New with the Wisconsin County Coordinate System? A WLIA Task Force Report	Comprehensive Planning with In-House GIS	mPower Integrator - Web GIS	
12:00	**Lunch, Town Meeting, and Scholarship Award** Suites III, IV, V & VI					
1:00	**Ken Pabich: WLIA Strategic Plan**					
2:00	An Overview of Digital Elevation Data in Wisconsin	How to Design a Geodatabase	Wisconsin's Enterprise State Agency GIS Strategy	GIS Consortium - An Alternative Approach to GIS for Small and Medium Sized Communities	Web-based GIS: Integrating GIS, External Databases, and Business Practices	
2:45	**Refreshments in the Exhibit Hall**					
3:30	Coupling Real-Time Weather Information and Satellite Imagery in Support of Emergency Management	Feature-Level Transportation Data-Sharing Using Open Geospatial Consortium Web Feature Services Specifications	Reconstruction of Land Administration in Post-conflict Conditions	Automatic Generation of GIS Features Using Oracle and the SDE Java API	Three-Dimensional Visualization in Land-Use Planning: A New Way to Look Into Natural Resources	**Exhibits Open**
4:00	2010 Census Activities	Moving Towards Integration: A Case Study from Washburn County	The Geospatial Workforce: Meeting Wisconsin's Future Needs	MapTEACH Gains Momentum: Progress for Place-Based Geospatial Education on the Alaskan Front	Inventory of New Development Infrastructure for Immediate Integration into the GIS	**Lion Meeting** Suites III, IV, V, VI
4:30	Hand-held/Mobile GIS Application	Navigating Survey Control Point Information for Wisconsin	Digital Orthophotos: What's in the Future?	Thin Clients: Substantial Benefits? Learning to Leverage GIS	Introduction to Semantic Web Technologies	
5:00	**Poster Competition, Exhibit Hall Lobby**					
5:30	**Exhibit Hall Reception, Governor Doyle Address (Invited), Game Night, Silent Auction**					
7:30						

Friday					
7:00 **Track 1: Surveying & Mapping - Tamboti Room**	**Track 2: Data Integration & Distribution - Aloeswood Room**	**Track 3: Politics, Policy, & Administration - Marula Room**	**Track 4: Innovation & Applications - Aralia Room**	**Track 5: Technology Demonstration - Mangrove Room**	**Exhibits - Suites I, II, VII, VIIIc**
Committee Meetings					
8:00 **David Mockert, "The Role of the Geographic Information Officer in Wisconsin"** Suites III, IV, V, VIb					
9:00 Impacts of Ordinary High Water Mark on Surveying, Parcel Mapping, Tax Listing, and Zoning Administration	Property Management Portal in Clark and Barron Counties	WLIA Emergency Management Task Force Findings	Electronic Recording of Documents in Wisconsin	Don't Pass on IPAS - Revenue's Integrated Property Assessment System	Exhibits Open
10:00 **Refreshments in the Exhibit Hall, Silent Auction Final Bids and Winners**					
11:00 What's New With NRCS Soils Information	Discovery in the Jungle: Geospatial One-Stop	A Dialog of Flood Hazard Map Modernization: FEMA, DNR, & Counties Discuss the Ongoing Process	Disaster Recovery: It Doesn't Have to Be a Disaster	Who or What is Ramona?	Exhibit Takedown
11:45 Preserving and Modernizing Historical Maps in Sun Prairie: Lessons Learned and Successes	WiscLinc Clearinghouse and WiscMap: A Compass and Flashlight in Wisconsin's Data and Web Services	Planning on the Cutting Edge Requires Fine Honing: Planning Support System in Waupaca County	Electronic Real Estate Transfers in Wisconsin: The First Step in Clear Cutting the Data Jungle	Wisconsin GetFacts for Comprehensive Planning+A1	
12:30 **Conference Closing Lunch, Closing Remarks, Awards, Poster Contest Results, Installation of New Officers and Board Members** Suites III, IV, V & VI					
2:00 **New Board Meeting** Mangrove Room					
2:45					

WLIA 2006 Annual Pre-Conference Workshops

Wednesday, March 1, 2006

Workshops will be held on Wednesday at the Kalahari Convention Center in Wisconsin Dells. Workshops are not included in the conference registration fee. WLIA reserves the right to cancel and refund registration fee for any workshop.

*Please note revisions to:

Workshop 5: Geodatabase Design & Migration Strategies is now a morning workshop,

Workshop 6: Intro to Parcel Editing in Geodatabase is now an afternoon workshop

Workshop 1: *Tamboti Room* (Full Day)
Wednesday Morning 9:00 a.m. – 12:00 p.m., Afternoon 1:30 p.m. – 4:30 p.m.
Building your Communication Toolbox to Maximize Customer Service
Carol Cortez, UW Green Bay

Individuals who deal regularly with customers need a relatively large toolbox of communication skills to meet the many demands of internal and external customers. More importantly, those individuals need to be able to <u>select</u> and <u>use</u> the most effective tool for each customer service interaction. This workshop will assist participants in figuring out what communication tools are in their toolbox, what tools *should* be in their toolbox, and how to make the best use of all their communication tools to make their customer service interactions more effective and satisfying.

Participants in this workshop will learn:
- The seven C's of outstanding customer service
- To identify the needs of customers by asking questions and listening effectively
- How to use precise, concrete, jargon-free language to build customer rapport and diffuse difficult situations.
- How to communicate assertively rather than aggressively with customers
- Which nonverbal behaviors enhance and undermine perceptions of professionalism and appropriateness during customer interactions.
- The power of language to inform, educate, calm, persuade and support others
- How facial expressions, vocal qualities, gestures, and body movements can influence customer interactions

~Assessor CEU's have been applied for and this program qualifies for credits toward the ROD management program~

Workshop 2: *Aloeswood Room* (Full Day)
Wednesday Morning 9:00 a.m. – 12:00 p.m., Afternoon 1:30 p.m. – 4:30 p.m.
"What Color Is Your Personality"
Paul Ohlrogge, UW-Extension, Community Resource Development

This will be a hands-on workshop that focuses on bettering our work environment by understanding the personality of ourselves and those with whom we work. Understanding how people think and what motivates them is crucial in developing effective communication with co-workers, other office mates, family, and the public who we serve and work for. While attending this workshop, you will learn how to:

- Quickly identify your personality style
- Understand and appreciate the personalities of other people
- Communicate and interact more effectively with others
- Work more effectively in every relationship you have

You are invited to participate. This workshop has been presented to many groups throughout Wisconsin. University of Wisconsin–Extension Educators have many trained facilitators that work with the Colors Program. Leadership programs and networking conferences have used this as a tool for bettering workplace environments and understanding the public we deal with. It is a fun and very effective training and we are sure you will be very pleased.

Workshop 3: *Marula Room* (Full Day)
Wednesday Morning 9:00 a.m. – 12:00 p.m., Afternoon 1:30 p.m. – 4:30 p.m.
Fundamentals of Map Design
Brian McGee, ATC; Ted Koch, State Cartographers Office; Kent Peña, NRCS

It's easier than ever to produce a map. Even using a word processing program, most anyone can make a simple map. At the same time, it's easier than ever to miss the mark – to make a poor map. If you are designing and producing maps, but are unsure of the effectiveness of the final product then this workshop is for you. In this workshop you will learn basic principles of map design including the design process, communicating intended messages, design controls, visual variables, symbolization, and evaluating and critiquing the design of your maps and maps produced by others. With all the effort you put into building data for mapping and analysis, you need to be ready to achieve your desired impact through well-designed output.

A requirement is that you bring maps to the workshop produced by you or others in your organization. Through an interactive group exercise we will analyze maps produced by workshop participants. Bring a map and you will go home with a useful evaluation.

Topics Covered:
- Planning and communicating better with maps
- Map design concepts and steps
- Objectives of design
- Designing for applications and situations
- Developing a critical eye for map design
- Understanding visual variables
- Graphic symbolization including the use of color, text, and patterns
- Map layout
- Understanding map design controls and limitations
- Learning how to develop a consistent organizational "look" to your maps

Workshop 4: *Aralia Room* (Full Day)
Wednesday Morning 9:00 a.m. – 12:00 p.m., Afternoon 1:30 p.m. – 4:30 p.m.
Applying LiDAR data in Wisconsin Organizations
Kirk Contrucci, Tim Barnett and Jason Nyberg, Ayres Associates

Six Wisconsin counties and several municipalities completed LiDAR (Light Detection and Ranging) mapping projects in the past 18 months. Several more are considering LiDAR projects in the near future. This workshop will focus on the application of LiDAR derived datasets in areas such as floodplain mapping, preliminary engineering design, change detection, forest inventories, and emergency response. We'll cover the basics of LiDAR mission planning and execution, saving most of the workshop for focusing on how this data can be applied by local governments. Several real world examples of how LiDAR data is being applied by Wisconsin counties and municipalities will be demonstrated.

Workshop 5: *Mangrove Room* (Half Day, Morning)
Wednesday Morning 9:00 a.m. – 12:00 p.m.
Geodatabase Design & Migration Strategies
Chris Liske and Chris Mavis, ESRI

The objective of this workshop is to introduce and discuss the best practices for designing and implementing a Parcel Geodatabase. The workshop is primarily a lecture and discussion, but will include some supporting demonstrations. Topics will include an introduction to the geodatabase model, overview of the parcel geodatabase design process and workflow, important design considerations, data migration strategies and tools, development of a parcel related topology to maintain data spatial integrity, system integration with other databases such as AS400, and enterprise geodatabase concepts. This workshop is intended for anyone who is thinking about or is in the process of migrating their parcel data to the geodatabase.

Workshop 6: *Mangrove Room* **(Half Day, Afternoon)**

Wednesday Afternoon 1:30 p.m. – 4:30 p.m.

Introduction to Parcel Editing in Geodatabase

Chris Liske and Chris Mavis, ESRI

The objective of this workshop is to introduce users to the editing tools available in ArcGIS 9.1 for editing and maintaining parcel data in the geodatabase. The workshop includes a lecture, demonstrations, and a question and answer session. Topics will include a short review of the geodatabase, preparing the ArcMap editing environment, best practices for maintaining parcels using ArcGIS's advanced COGO editing tools, labeling and annotation tools, useful developer samples, and other editing tips and tricks. Demonstrations will focus on maintaining parcel data. This workshop is intended for anyone who maintains parcels or is interested in the advantages of managing and editing parcel data in the Geodatabase. Familiarity with Geodatabase is helpful, but not required.

Workshop 7: *Guava Room* **(Half Day, Morning)**

Wednesday Morning 9:00 a.m. – 12:00 p.m.

ArcGIS 9x Tips and Tools

Kendis Scharenbroich, & Jennifer Ward, Pro West GIS

This workshop will demonstrate the newest functionality in ArcGIS 9.1. This workshop is also relevant for 9.0 users. Topics will include expanded geoprocessing tools, annotation and labeling improvements, mobile mapping toolbars, and more shortcut keys. We will also cover tips and tools that will make you a proficient ArcView 9.1 user, such as toolbar customizations, working with tables, cartography and printing tips, and advanced editing. A manual with step-by-step instruction will be provided. ArcGIS ArcView experience is beneficial.

Workshop 8: *Guava Room* **(Half Day, Afternoon)**

Wednesday Afternoon 1:30 p.m. – 4:30 p.m.

How to Better Understand the GIS in Your PSAP

Julie Cipra, Crawford County 911, WI NENA Secretary; Mark Handlin, Lincoln County; and Alan Blencoe, La Crosse County, WI NENA President

Wondering where to begin with your mapping project and how it will affect your PSAP? Even with an in-house GIS Department, existing digital base maps are probably not CAD/911 ready. How do I know what to ask for and from whom? What kinds of map layers are available to us and which ones are necessities? What type of on-going maintenance is required and who will do this? How will your dispatchers read and use the new information available to them? Where is the problem; LEC, cellular provider, mapping vendor, CAD vendor, or operator? Come and learn from PSAP/GIS personnel who have made it through this process. Basic GIS terminology, what worked, what didn't, and a general Q & A period.

WLIA 2006 Annual Conference: Thursday, March 2, 2006

7:00 a.m. – 8:00 a.m.: Past President Breakfast - Empress Room

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8:00 a.m. – 9:00 a.m.: Opening General Session and Keynote Speaker - Suites III, IV, V, VI
Welcome and Opening Remarks, *WLIA President, Ken Pabich*
Keynote Speaker, *Richard Toliver, GIS Consultant with Teledyne Solutions, Inc.* will open the conference with a presentation on geospatial technology in covert operations.

9:00 a.m. – 10:30 a.m.: Technical Sessions:

Track 1: Surveying and Mapping - *Tamboti Room*   9:00 a.m. – 10:30 a.m.

WDNR 1:24,000 Hydrography Database Conversion to NHD Compatible Geodatabase:
Status and Partnership Discussion
Ann Schachte, WDNR, and Richard Vraga, USGS (45 minutes)

The Wisconsin Department of Natural Resources (WDNR) has initiated a project to convert its existing statewide 1:24,000 scale hydrography coverage to geodatabase format. The existing design supports many of the WDNR business needs, but lacks the ability to efficiently communicate with the federal standard, the National Hydrography Dataset (NHD). NHD is the nationwide hydrography database managed by the USGS, which has recently been converted from coverage to geodatabase format at 1:24,000 scale. EPA, USGS, and other federal agencies, as well as a majority of states, use NHD. It is in WDNR's best interest to be compatible with this federal standard, given our reporting requirements to EPA, and the desire to facilitate communication with other states. We will provide a brief overview of the NHD model and its capabilities and status updates on completing NHDgeo for Wisconsin. The remaining time will provide a forum for discussion with the WI NHD partners regarding stewardship and the future role of the surface water layer as a state enterprise framework component of a statewide GIS strategic plan.

Large Format Digital Mapping Cameras, Comparison and Application
Jeremy Conner, 3001, Inc. (45 minutes)

For years, many have been trying develop digital cameras that meet mapping standards. The LH Systems ADS40 digital aerial sensor and the Z/I Imaging Digital Mapping Camera (DMC) provide the first all-digital systems that meet ASPRS and NMAS mapping standards for orthophotography and 3D stereo compilation. Moreover, the consistency of the image capture avoids many of the problems historically associated with film photography. 3001, Inc. is operating the first production ADS40 and DMC, and provides a comparison case study of the two sensors.The ADS40 is a push-broom-imaging device that captures data in image strips. The Z/I DMC is a frame-based system that captures individual images using eight synchronously operating CCD matrix-based array cameras. Discussion will include accuracy, applications of remote sensing, and photogrammetric mapping.

Track 2: Data Integration and Distribution - *Aloeswood Room* 9:00 a.m. – 10:30 a.m.

The Relationship of Real Property Listing and LIS in Waukesha County
Don Dittmar & Mary Gormanson, Waukesha County (45 minutes)

The activities of the County Real Property Lister are critical in the creation and maintenance of digital tax parcel maps. Often, the roles of the Lister and the GIS staff creating the digital maps are not clearly defined and sometimes even appear to conflict. Determining what information the Lister needs to provide to the GIS staff to complete the mapping and how the GIS staff then completes the actual mapping is key to making the process work. Waukesha County has developed a workflow that assists both groups in completing their duties. This session will provide insight as to how the processes were integrated.

How Winnebago County GIS and Emergency Management Work as a Team
Dave Levine & Linda Kollmann, Winnebago County (45 minutes)

Winnebago County will share real success stories of the GIS and Emergency Management divisions working as a team in various emergency situations. Some of the team's efforts that will be discussed include: "Emergency Planning and Community Right-to-Know Act" off site plans, all hazards mitigation planning, 2004 flooding disaster in Omro, large scale event planning with EAA and Ducks Unlimited, Hydrite Chemical box car fire, and the 2001 wind storm.

Track 3: Politics, Policy, & Administration - *Marula Room*   9:00 a.m. – 10:30 a.m.

Welcome to WLIA: An Introduction to the Association
Al Miller, UW Madison, & D. David Moyer, D.D. Moyer & Associates (45 minutes)

This discussion session is intended for new members, but is open to anyone interested in the WLIA. Learn about the origins of the "grassroots" effort to modernize Wisconsin's land records, the background that led to the formation of the association, and its vision to establish a network of geographic information systems throughout the state. Become aware of the organization's mission and goals, the development of technical standards and guides, and major accomplishments during the past seventeen years. Find out how the association goes about its business, who the members of WLIA are, and how the committees are established and structured. Become acquainted with the 2005 Draft Strategic Plan. Most importantly, learn how to get involved.

Geospatial Standards: WLIP Meets NSDI
Jerry Sullivan, WI DOA (45 minutes)

This presentation will assess the current state of geospatial standards at the state and national levels. WLIA needs to exercise its adopted process for standards development, review, and adoption. Wisconsin's Enterprise GIS Standards are over a decade old, and in need of serious revision. Review of Federal Geographic Data Committee (FGDC) data model content standards, symbology standards, and exchange standards have been discussed for more than a decade. Open Geospatial Consortium (OGC) standards offer possibilities for bringing together a distributed confederation of nodes. The recently announced Geospatial BlueBook of Best Practices, and the ESRI "GIS for the Nation" data models, can benefit Wisconsin GIS activities. A facilitated discussion will follow, to gauge audience interest and prioritization of needed standards efforts.

Track 4: Innovation and Applications - *Aralia Room*   9:00 a.m. – 10:30 a.m.

Using an ArcGIS Server Web Service to Provide Natural Heritage Inventory Data
Erik Sandin, Jefferey Shaw, and Jamelle Schlangen, WI DNR (45 minutes)

ArcGIS Server provides the ability to serve complicated or resource-intensive GIS logic from a central location. Web Services provide a way to deliver part of an application transparently to almost any user or to integrate into existing applications. The Wisconsin DNR's Bureau of Endangered Resources and GIS Section are using ArcGIS Server Web Services to provide data from the Natural Heritage Inventory in the context of a Web mapping application.

Implementation and Use of Next Generation Toolkit
Craig Surman, Chris Morse, Alex Dvoracek, and Duane DeVerney, NRCS (45 minutes)

Customer Service Toolkit 2004 (Toolkit) is the primary conservation planning tool used by the Natural Resources Conservation Service (NRCS), conservation districts, and technical service providers (TSP). Toolkit is used for conservation planning and design, layout, and evaluation of approved conservation practices. Within Toolkit, users can create and check on customer data a National Conservation Planning Database (NCPDB). Users can also check out customer data from the NCPDB. In addition, the customer data is made available to the Performance Reporting System (PRS) and Protracts (NRCS contracting software). With the onset of these powerful new tools, redundancy in data entry has significantly declined.

Track 5: Technology Demonstration - *Mangrove Room*   9:00 a.m. – 10:30 a.m.

Land Records Data Entry Automation
Mark Miller, Extract Systems (45 Minutes)

Land Record Data often drives many business decisions today. Maintaining and staying current with the influx of recorded instruments can be a daunting task. Recently, new technology has emerged in the marketplace to automatically capture data from unstructured land records. Automated Data Capture Software uses Optical Character Recognition Technology to convert scanned images to a digital format and then locate and extract data from the image using a set of sophisticated rules. Once the data is captured, it can be further massaged and manipulated to meet the specific needs of the organization or department. In addition to reducing data entry costs, this automation process increases the speed at which a county or title company makes data available to constituents, which in turn allows the constituents to make better business decisions. This presentation will discuss the myths and realities of using automation within your workflow and demonstrate some of today's latest data extraction technologies.

Practical Data Management in Spatial Technology
Scott Daniel, Ruekert/Mielke; & Russ Nicloy, Master Graphics (45 minutes)

MasterGraphics Inc. and Ruekert & Mielke realize government organizations, that build and manage infrastructure, need to: simplify complex processes; ensure data quality; work with multiple data formats, including CAD, GIS, and engineering data; share precise, accurate information with others; reduce employee learning time; and enhance public satisfaction. Our presentation will discuss solutions that combine professional services with Autodesk® technology to help public works advisors plan, design, and manage infrastructure assets. Autodesk solutions use the same data throughout the process, eliminating costly and tedious data conversions, as well as the errors this process can introduce. These solutions comprise infrastructure-specific modules, such as cadastral, drainage, sewer, and water, that work together or as stand-alone applications. The modules are built on proven Autodesk software, with an underlying Oracle® database that integrates all data types and formats across the project lifecycle. The presentation will include a presentation and live demo of the products.

10:30 a.m. – 11:15 a.m.: Refreshments in the Exhibit Hall - Suites I, II, VII, VIII

11:15 a.m. – 12:00 p.m.: Technical Sessions:

Track 1: Surveying and Mapping - *Tamboti Room*   11:15 a.m. – 12:00 p.m.

Autocorrelation for Surface Generation
Todd Thies & Karen Gehri, Ayres Associates (45 minutes)

"Better, Faster, Cheaper" has been the unanimous demand from geographic data users. The geographic service community has responded with autocorrelation, a key surface generation technique that meets this demand. The industry has undergone dramatic changes with the exciting development of autocorrelation. Data vendors continue to look for key ways to leverage this technology for accuracy and efficiency. What is autocorrelation? What are the issues involved? This presentation covers autocorrelation as a new and evolving technology. It will focus on helping you make informed choices on your next imagery or mapping project.

Track 2: Data Integration & Distribution - *Aloeswood Room* 11:15 a.m. – 12:00 p.m.

Columbia County Integrated Land Records System
Kristen Anderson, Pam Robson, Deb Raimer, Jill Kopp, Carol Weiss, Lisa Walker, Columbia County; & Dean Yeazel, Compuware Corporation (45 minutes)

The Land Records System (LRS) project goal is to modernize all land records related data, systems and workflow in the Register of Deeds, Land Information Department, and the Treasurer, and to incorporate business goals of additional departments in the future. The LRS has fully integrated the land records data sets using a single database that has checks and balances, eliminates data redundancies, has data integrity rules applied, and has the flexibility to integrate with the county's Enterprise GIS. In addition to migrating to a modern system that is better able to manage the complexity of the land records data, the project also provided an opportunity to examine and improve workflow internally and between departments. New technological implementations for improved business functions and data capture in land records have also benefited other departments. These technologies include the .NET environment, Active Directory, on-the-fly creation of Adobe PDF documents, bar coding, and scanning techniques.

Track 3: Politics, Policy, & Administration - *Marula Room*   11:15 a.m. – 12:00 p.m.

What's New with the Wisconsin County Coordinate System? A WLIA Task Force Report
Ted Koch, State Cartographers Office & Alan Vonderohe, UW Madison (45 minutes)

A year ago we reported to you on the work of the WLIA's Coordinate Systems Task Force, and the prospect of redefining the Wisconsin County Coordinate Systems to simplify their use. Over the past twelve months the Task Force reached the conclusion that redesign was the best alternative to improve the current situation. A redesign methodology was developed and tested. This session will report on that work and the results. We will explain the redesign approach, quantify the results, and suggest several steps for implementing the redesigned County Coordinate System throughout the state. This session will conclude with an open forum for discussion of coordinate system issues and uses.

Track 4: Innovation & Applications - *Aralia Room*   11:15 a.m. – 12:00 p.m.

Comprehensive Planning with In-House GIS
Ken Jaworski, Foth & Van Dyke; & Bill Shockley, Clark County (45 minutes)

Clark County is finalizing a countywide comprehensive plan which complies with WI State Statute 66.1001. The Clark County comprehensive planning process started in 2000 receiving grant funding from the WI Department of Administration. Sixteen local towns, cities and villages joined Clark County in a multi-jurisdictional effort to update existing plans or create one for the first time. Clark County contracted with a private planning firm to provide professional planning expertise to the process. Clark County's fully functional GIS enabled the majority of land use inventory, base level mapping, community facilities and future land use to be created in-house. Background inventory and trend data was collected for all 46 local units of government. This data has been collected for the first-time in a digital format and is accessible as additional municipalities decide to create individual comprehensive plans. Significant savings were recognized by Clark County due to the technical ability to create, amend and print the mapping requirements under the comprehensive law. Utility and community facility data created with small, incorporated municipalities should provide valuable infrastructure planning for years to come.

Track 5: Technology Demonstration - *Mangrove Room*   11:15 a.m. – 12:00 p.m.

mPower Integrator - Web GIS
Scott Hameister, mPower Technologies (45 minutes)

mPower Technologies has developed a multi-platform GIS data distribution tool for ESRI® ArcIMS® or Autodesk® MapGuide®, known as mPower Integrator™, that helps to facilitate the data or information side of maintaining and developing web-browser based GIS. mPower Integrator is now compatible with ESRI arcSDE. mPower Integrator will speed up the publication of GIS/FM data for the web!

12:00 p.m. – 1:00 p.m.: Lunch, Town Meeting, & Scholarship Awards - Suites III, IV, V, VI
1:00 p.m. – 2:00 p.m.:   WLIA Strategic Plan, Ken Pabich, WLIA President

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2:00 p.m. – 2:45 p.m.: Technical Sessions

Track 1: Surveying and Mapping - *Tamboti Room*   2:00 p.m. – 2:45 p.m.

An Overview of Digital Elevation Data in Wisconsin
Jim Lacy, State Cartographers Office (45 Minutes)

Thanks in large part to the highly successful statewide Land Information Program, Wisconsin is covered by a wide range of digital elevation datasets. However, the source, format, and precision of these datasets varies significantly from location to location. Understanding what's available, and where to find it, is not a trivial task. The purpose of this presentation is to provide a review of elevation dataset fundamentals (DEM, DTM, TIN, etc.), discuss the current status of elevation data in Wisconsin, and forecast what you should expect to see in the coming years.

Track 2: Data Integration & Distribution - *Aloeswood Room*   2:00 p.m. – 2:45 p.m.

How to Design a Geodatabase
David Haines, R.A. Smith & Associates (45 minutes)

Converting your data into a geodatabase may be an intimidating process, unless you know the resources that are available to you. This presentation will go through the steps of designing a geodatabase. The presentation will cover each step in the conceptual, logical, and physical geodatabase design process. Examples of ESRI's ArcGIS Data Models will be shown and the data model terminology and symbology used in the posters discussed. Lastly, there will be an overview of techniques for loading data into your geodatabase.

Track 3: Politics, Policy, & Administration - *Marula Room*   2:00 p.m. – 2:45 p.m.

Wisconsin's Enterprise State Agency GIS Strategy
David Mockert, GIO, WI DOA (45 minutes)

A panel of state agency GIS managers will present the results of a strategic planning process conducted during the fall of 2005. The discussion will focus on the elements of Wisconsin's Enterprise State Agency GIS Strategy. These include the following: organizational design and governance; integration of agency land information plans with agency IT plans; enterprise geospatial data custodianship; creation of enterprise architecture and data standards; data security; server consolidation; development of a shared services catalog; and cooperative applications development.

Track 4: Innovation & Applications - *Aralia Room*   2:00 p.m. – 2:45 p.m.

GIS Consortium - An Alternative Approach to GIS for Small and Medium Sized Communities
Thomas A. Thomey, Municipal GIS Partners (45 minutes)

Ten suburban communities in the Chicago (Illinois) area are working together to realize the benefits of Geographic Information Systems (GIS). This organization was formed in 1998 to provide an alternative to meeting the challenges of starting and sustaining GIS programs. This organization is called the GIS Consortium (GISC). The mission of the GIS Consortium is to reduce cost and risk of these programs for its members. The group manages these opposing objectives through collaboration. The purpose of the Consortium is to simulate a 'large' organization that can maximize purchasing power. The founders of the GIS Consortium recognized that staffing influenced both components of its mission. Staffing, therefore, is a major part of the structure of the organization. In addition, this organization provides standards, applications, and productivity processes. This presentation will investigate aspects of the GIS Consortium that have made it successful and will consider its applicability in other urban areas.

Track 5: Technology Demonstration - *Mangrove Room*   2:00 p.m. – 2:45 p.m.

Web-Based GIS: Integrating GIS, External Databases, and Business Practices
Kendis Scharenbroich, Pro - West & Associates (45 minutes)

Web-based GIS is an integrating technology, capable of performing a number of vital functions for City and County government. PWA will review the components and benefits of web-based GIS and how it can be implemented in various departments throughout an organization. Pro-West's web-based GIS product, WebFusion, will also be demonstrated. WebFusion, is highly customizable, and is a perfect solution for integrating spatial data with external databases and other third-party programs, such as Tax Parcel and CAMA databases, building permit and special assessment programs, one-call locate systems, wireless mobile applications, and infrastructure management systems.

2:45 p.m. – 3:30 p.m.: Refreshments in the Exhibit Hall - Suites I, II, VII, VIII

3:30 p.m. – 5:00 p.m.: Technical Sessions:

Track 1: Surveying and Mapping - *Tamboti Room*   3:30 p.m. – 5:00 p.m.

Coupling Real-Time Weather Information and Satellite Imagery in Support of Emergency Management
Sam Batzli, Eizi Toyoda, Peter Wolter, Tim Olsen and Glenda Roman, UW Madison (30 Minutes)

Change-detection techniques using satellite images are used to estimate damage of natural disasters such as tornados and floods. Damage location and extent were mapped for three tornados on August 18, 2005. It is potentially useful for emergency management or response agencies, if the information is provided in timely manner. For this purpose, the authors are building a system to monitor warnings issued by the National Weather Service, in collaboration with UW Space Science and Engineering Center and the Department of Atmospheric Sciences. The warnings contain location information that will be extracted and used to automatically identify and cross-reference satellite orbit/path locations. The system could send a text-message or e-mail to help alert Environmental Remote Sensing Center staff and others of the need and location of data acquisitions. Accelerating and streaming the imagery acquisition process will minimize the cost in time and money of image acquisition.

2010 Census Activities
Gail A. Krmenec, US Census Bureau (30 minutes)

An update on the status of the MAF/TIGER Accuracy Improvement Program in Wisconsin plans for the Local Update of Census Addresses (LUCA) for 2010, criteria for the development of statistical areas, and options for participation in upcoming geographic partnership programs.

Hand-held/Mobile GIS Application
Jon Schwichtenberg, SEH, Inc. (30 minutes)

This presentation will show attendees the options available for hand held/Mobile GIS applications. The presenter will discuss several types of mobile applications and their function.

Track 2: Data Integration & Distribution - *Aloeswood Room*   3:30 p.m. – 5:00 p.m.

Feature-Level Transportation Data-Sharing Using Open Geospatial Consortium Web Feature Services Specifications
Zhong-Ren Peng, UW Milwaukee (30 minutes)

The objective of this presentation is to show the development of integration and sharing of Wisconsin transportation network data at the feature level in real time over the Web, which is compatible with the Web Feature Services (WFS) 1.1 specifications proposed by the Open Geospatial Consortium (OGC). By feature level, we mean accessing and exchanging data at the individual feature (a location represented by a point, line, or a polygon) level rather than at the file level as is the common practice in data sharing. This is a project that is supported by the 2005 Cooperative Agreements Program of the Federal Geographic Data Committee. The goal of the project is to deploy OGC WFS interfaces using both ESRI's ArcIMS WFS Connector/ArcGIS Server technology and GeoServer, an open source software, to respond to user requests for transportation features, and to return the data that conforms to the draft ANSI/INCITS L1 Standard for the transportation theme in the format given by OGC Geography Markup Language (GML).

Moving Towards Integration: A Case Study from Washburn County
Nick Stadnyk & Doug Avoles, Applied Data Consultants; Mike Miller, Washburn County (30 Minutes)

A truly enterprise-wide GIS is still rare in today's land records environment. Most GIS development, particularly at the county level, has focused on data development and applications. This development has been very department-centric, focusing on the relatively narrow and specific needs of the individual departments. Vertical integration of GIS within a department is giving way to horizontal integration of GIS between departments and across a county as a whole. Since the inception of the Wisconsin Land Information Program, Washburn County has been struggling with consistent and integrated development of GIS data sets and land record maintenance due to several factors and circumstances. County staff recognized the need to examine current operations and develop a plan for moving towards better integration and management of its land information. This presentation will examine the conclusions, recommendations, and implementation strategies for making countywide land record integration a reality in Washburn County.

Navigating Survey Control Point Information for Wisconsin
A.J. Wortley & Brenda Hemstead, State Cartographer's Office (30 minutes)

Geodetic control information plays a crucial role in the development and registering framework data for applications, because it provides the spatial reference source to register all other spatial data. This presentation will demonstrate the latest technology behind our geodetic control clearinghouse application: ContolFinder (http://www.sco.wisc.edu.geocat/) to visually navigate and access geodetic control information for Wisconsin through a Web Feature Service (WFS) using a web browser or your own GIS software. Also find out how to publish local survey control information to the clearinghouse.

Track 3: Politics, Policy, & Administration - *Marula Room*   3:30 p.m. – 5:00 p.m.

Reconstruction of Land Administration in Post-Conflict Conditions
David Stanfield, Terra Institute (30 minutes)

The introduction of Information Communication Technology (ICT) into land registration organizations in post-conflict conditions can be very useful, but also faces severe constraints. The experiences in Kosovo, Albania and Afghanistan are analyzed to show the potential benefits and costs, and the conditions under which ICT can be profitably adapted to the reconstruction of land administration organizations in post-conflict conditions.

The Geospatial Workforce: Meeting Wisconsin's Future Needs
Thomas Tym, WI Geographic Information Technology Association (GITA), Ruekert & Mielke (30 minutes)

This presentation will offer perspectives on the present and future of the geospatial workforce. Discussion topics will include: professional and educational opportunities in Wisconsin and Nationwide, qualifications for entry level positions through management, recruiting strategies of area companies, business function and organizational structure, and compensation and other related job factors. The presentation will draw from recent studies, as well as the real life experience of geospatial professionals (employers and employees) from across Wisconsin.

Digital Orthophotos: What's in the Future?
Ted Koch, State Cartographer's Office (30 minutes)

Digital Orthophotos form the foundation for most public and private GIS operations. In Wisconsin and nationally, millions of dollars are invested each year in this data resource, providing us an invaluable record of our environment. In spite of all the imagery collected, we are still faced with holes in coverage; varying quality, accuracy and currency; and restrictions on use. What can we do to improve this situation? This presentation will cover some of the ideas at the state and national levels to change the process of digital orthophoto acquisition.

Track 4: Innovation & Applications - *Aralia Room*   3:30 p.m. – 5:00 p.m.

Automatic Generation of GIS Features Using Oracle and the SDE Java API
Rick Hammond, Woolpert. Inc. (30 minutes)

This presentation will focus on the development of a server-based solution for the automatic creation of GIS features at the City of Indianapolis. The Department of Metropolitan Development and the Mayor's Action Center both log a significant number of permit requests and service requests, respectively, every day. Until recently, corresponding GIS features for these requests would have been created manually at irregular intervals. The development of these server based solutions has provided the automatic generation of corresponding ArcSDE GIS features as each new permit or service request is generated. These features are then immediately accessible and viewable for any GIS viewer or application that needs to access this data. This application is unique in that it integrates Oracle 9i, Oracle 10g and the ArcSDE 9/SDE Java API 9 functionality. This presentation will discuss the following topics: reasons for developing this type of application, application design/structure, application work flow, advantages of choosing this method, and issues that we faced and how they were addressed.

MapTEACH Gains Momentum: Progress for Place-Based Geospatial Education on the Alaskan Front
Bill Aldrich, UW Madison (30 minutes)

Implementation of the first pilot for place-based education of local landscape from the contexts of geology, geospatial IT, and traditional knowledge is imminent for rural Alaskan students, teachers, and communities. This NSF-funded joint UW-Alaska MapTEACH project is moving forward in developing curricula, field kits, human resources, and pools of data (e.g. satellite imagery, and maps topographic and geologic). Elders and other learned members of the targeted Alaskan communities of Nome, Minto, Nenana, and Fairbanks continue to come forward providing their knowledge of the land even to guide the development of relevant datasets. The instructional team is learning from their own student assistants what may and may not work for the pupils in the pilot's capstone experience.

Thin Clients: Substantial Benefits? Learning to Leverage GIS
Tim Olsen and Sam Batzli, UW Madison (30 minutes)

Learn new ways that free, thin client GIS software is making it possible for novices with small computers to reach through the internet and shake down GIS giants for information. Unlike popular internet mapping sites and many map services that only allow access to images, i.e. map graphics, thin-client GIS allows users to pull selected spatial data from multiple sources, build their own 'maps', perform queries, and share their results with others far and wide. From satellite scenes, to air photos, vector files and real-time weather images, the volume of accessible data is growing exponentially. Whether they are emergency officials surveying storm damage, or students on a field trip, see how users can quickly meld their own geolocated data together with web-served spatial data and images to capitalize on public resources and communicate information at minimal cost.

Track 5: Technology Demonstration - *Mangrove Room*   3:30 p.m. – 5:00 p.m.

Three-dimensional Visualization in Land-Use Planning: A New Way to Look Into Natural Resources
Bruce A. Brown, Michael L. Czechanski, David M. Johnson, and Peter Schoephoester, Wisconsin Geological and Natural History Survey (30 minutes)

Conventional land-use planning is essentially a two-dimensional process. GIS technology has made it easier to stack and overlay two-dimensional maps to visualize possible development scenarios, but planning for groundwater development and protection, aggregate resources, and locating sites for landfills can only be done safely and efficiently with detailed knowledge of the third dimension. Tools for three-dimensional visualization range from simple cross sections and fence diagrams to computer based models. The basic data for any of these tools are publicly available records from well construction. We will demonstrate the use of three-dimensional visualization tools using examples from ongoing studies of natural arsenic contamination in the Fox River Valley, and aggregate and groundwater resource studies in Dane County and southeast Wisconsin.

Inventory of New Development Infrastructure for Immediate Integration into the GIS
Andy Swartz, City of Sun Prairie (30 minutes)

The City of Sun Prairie has implemented a system to integrate a GIS inventory of new infrastructure with the construction oversight process that is performed by a third party and funded by the developer. This initiative represents a change from the original plan to require submitted engineering record (as-built) drawing to be GIS friendly. In this session you will learn about the challenges and rewards to getting a complete, high quality, fully attributed, GIS inventory for water, sewer, sidewalk, etc. soon after construction. The GPS and geodatabase templates and methods will be demonstrated for your benefit.

Introduction to Semantic Web Technologies
Nancy Wiegand, UW Madison (30 minutes)

This talk introduces the vision of the Semantic Web and the technologies being developed to support this vision. The concept of an ontology will be explained along with an ontology representation language (OWL). OWL is based on RDF, which in turn was developed using XML. Formally describing domains using ontologies allows reasoning to infer information not explicitly stated. Although some communities have begun to develop their applications using ontologies, this is still more of a research area in the geospatial community. However, such technologies are being considered by the OGC and federal government agencies and will likely soon be here.

5:00 p.m. – 7:30 p.m.: Reception with Exhibitors and Poster Competition -Suites I, II, VII, VIII
Guest Speaker: Governor James Doyle *(invited)*
****The Exhibit Hall is where all the action is! Don't miss the opportunity to talk with the exhibitors, enter the game
 night competition, and bid on the fabulous prizes in the silent auction.**

WLIA 2006 Annual Conference: Friday, March 3, 2006

7:00 a.m. – 8:00 a.m.: Committee Meetings

8:00 a.m. – 9:00 a.m.: Opening General Session & Keynote Speaker - Suites III, IV, V, VI
David Mockert, The Role of the Geographic Information Officer in Wisconsin

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9:00 a.m. – 11:00 a.m.: Exhibit Hall Open

9:00 a.m. – 10:00 a.m.: Technical Sessions:

Track 1: Surveying and Mapping - *Tamboti Room*   9:00 a.m. – 10:00 a.m.

Impacts of Ordinary High Water Mark on Surveying, Parcel Mapping, Tax Listing, and Zoning Administration
Michael J Romportl & Karl Jennrich, Oneida County (60 minutes)

The location of the ordinary high water mark (OHWM) has been a very contentious issue in Wisconsin over the last several

• *Impact of continued...*

years. The location of the OHWM affects how land is surveyed, parcel mapped, listed on the tax roll, and developed. This presentation will include an overview of the historic perspective covering the original government surveys of water bodies, court cases, DNR administration, current surveys, tax listing, parcel mapping, update of legislation, and some zoning permit examples of how the OHWM affects development.

Track 2: Data Integration & Distribution - *Aloeswood Room* 9:00 a.m. – 10:00 a.m.

Property Management Portal in Clark and Barron Counties
Barbara Petkovsek, Clark Co.; Duane Hebert, Barron Co.; Michael Blaska, WCA; and Jason Hepp, Nazca (60 minutes)

Clark and Barron Counties are the first two Wisconsin counties to install and operate a powerful new, innovative data-extraction and integration software specially adapted for land record access and management in Wisconsin. The Nazca Property Management Portal is advanced technology that accesses "live" data wherever it resides in disparate subsystems across the county enterprise, and even beyond; the data is integrated into pre-determined formats for commercial and public users who may access desired data and land records via the Internet. For county government, key value propositions of the Property Management Portal are added county revenue and improved internal efficiency. The Nazca Property Management Portal will be presented by Clark and Barron County officials, by Nazca, and by WCA Services Inc., which has formed a strategic alliance to promote the Nazca Property Management Portal in Wisconsin.

Track 3: Politics, Policy, & Administration - *Marula Room*   9:00 a.m. – 10:00 a.m.

WLIA Emergency Management Task Force Findings
Chris Diller, WI DOA, Department of Military Affairs (60 minutes)

The Mission of the Emergency Management Task Force is to "identify the need and scope of a statewide homeland security geospatial strategy and make recommendations on the steps needed to implement such a strategy." The task force has developed a set of goals and is working toward delivering a final report to the WLIA board in March 2006. Hear what the Task Force has learned so far, and what steps we are taking to meet the mission and goals

Track 4: Innovation & Application - *Aralia Room*   9:00 a.m. – 10:00 a.m.

Electronic Recording of Documents in Wisconsin
Jane Licht, Dane County; Sharon Martin, Washington County; & Cathy Williquette, Brown County (60 minutes)

WRDA members continue to be on the forefront of electronic recording technology. Eleven county offices are accepting documents for recording electronically. Instead of receiving paper documents in the mail or by courier, these documents arrive electronically similar to email attachments. In 2003, only "Level 3" Satisfaction of Mortgage documents were being accepted from a few large national or state banks. Now, "Level 2" documents are also accepted, opening the door to many more types of documents and customers. Another development that will allow electronic recording of deeds is the Department of Revenue's electronic transfer return project. The substantial benefits of electronic recording for customers and county offices will be explained. As a greater percentage of documents are recorded electronically, the benefits will increase and the technology will transform notions of original documents. These items will be presented along with demonstrations of the technology.

Track 5: Technology Demonstration - *Mangrove Room*   9:00 a.m. – 10:00 a.m.

Don't Pass on IPAS - Revenue's Integrated Property Assessment System
Jean Gerstner, Dan Davis and Jim Murphy, WI DOR (60 minutes)

What is IPAS? Why did the Department of Revenue undertake this project? What benefits are there for me/my organization? What are the short-term objectives and the long-term vision? What is the timeframe? Who are the players? The DOR's Integrated Property Assessment System (IPAS) will eventually replace the majority of the State and Local Finance Division's computer systems with one integrated system. IPAS will enable more efficient manufacturing property assessment including M-Form e-filing; create a sales database that can be used by all stakeholders toward the creation of a state-wide property assessment database (for example, DOR will place Real Estate Transfer Return information in the database); make data more accessible for stakeholders via the internet; and include a Geographic Information System.

11:00 a.m. – 12:30 p.m.: Technical Sessions:

Track 1: Survey & Mapping - *Tamboti Room*   11:00 a.m. – 12:30 p.m.

What's New With NRCS Soils Information?
Kent Pena & Carl Wacker, NRCS (45 minutes)

An overview of other NRCS resources and assistance related to soils access and application within GIS. This will include the Soil Data Mart, public domain CD products, and specialized tabular data. We will demonstrate the USDA Web Soil Survey site, a web mapping application that provides secure public access to seamless national soils information. This site is a simple yet powerful way to access and analyze soils data that contributes to every aspect of public and private land use and development.

Preserving and Modernizing Historical Maps in Sun Prairie: Lessons Learned and Successes
Andy Swartz, City of Sun Prairie; & Jason Krueger, Continental Mapping (45 minutes)

Andy Swartz and Jason Krueger will share their collaborative experiences in preserving and modernizing Sun Prairie maps that date back to 1868. The presentation will cover the need for the project, a primer on basic technologies for digitally capturing old maps and ortho photos, output formats, rectification for use in modern GIS, and project costs. The need for and day-to-day value to the City for accessible electronic archives of historical maps and ortho photography will be underscored. The presenters will be forthcoming with confessions on mistakes and pitfalls encountered during the project.

Track 2: Data Integration & Distribution - *Aloeswood Room* 11:00 a.m. – 12:30 p.m.

Discovery in the Jungle: Geospatial One-Stop
Dick Vraga, USGS; & Mike Koutnik, ESRI (45 minutes)

This presentation will demonstrate the capabilities and advantages of using the Geospatial One-Stop. The Geospatial One-Stop, geodata.gov, serves as a public gateway for improving access to geospatial information and data under the Geospatial One-Stop e-government initiative. The geodata.gov portal is designed to facilitate communication and sharing of geographic data and resources to enhance government efficiency and improve citizen services. Geospatial One-Stop is one of 24 e-government initiatives sponsored by the Federal Office of Management and Budget (OMB) to enhance government efficiency and to improve citizen services. This portal will make it easier, faster and less expensive for all levels of government and the public to access geospatial information.

WiscLinc Clearinghouse and WiscMap: A Compass and Flashlight in Wisconsin's Data and Web Services Jungle
A.J. Wortley & Catrine Lehrer-Brey, State Cartographer's Office (45 minutes)

This presentation will give a brief tour of the newest Wisconsin Land Information Clearinghouse (WISCLINK) website and WiscMap interactive viewer created by the State Cartographer's Office. We'll show how you can use this growing catalog to locate websites and data, access downloads, and visualize interoperable map services for GIS data in Wisconsin. Find out how to contribute to the catalog or access tutorial information on authoring webmapping services or visualizing them in an array of free and commercial clients, including Gaia, ArcGIS, and Google Earth.

Track 3: Politics, Policy, & Administration - *Marula Room*   11:00 a.m. – 12:30 p.m.

A Dialog of Flood Hazard Map Modernization: FEMA, DNR, & Counties Discuss the Ongoing Process
Amanda Schwoegler & Bob Watson, WI DNR; Al Lulloff, Association of Flood Plain Managers; Don Dittmar, Waukesha County; Kurt Wheeler, Rock County; & Adam Dorn, Fond du lac County (45 minutes)

This presentation will take the format of a panel discussion with Al Lulloff of The Association of State Floodplain Managers acting as the facilitator. FEMA will overview the progress and status of the Flood Hazard Mapping Program in the State. The DNR will describe the role they currently are playing in the program. After which each county will briefly relay their status and

Friday

experiences. The floor will then be open for questions and discussion. Our desire is to let other counties and municipalities gain from the experiences of the panel. We also hope this will facilitate further dialog among agencies in order to produce the most accurate Flood Hazard Map possible for the State of Wisconsin.

Planning on the Cutting Edge Requires Fine Honing: Planning Support System in Waupaca County
Douglas Miskowiak, UW Stevens Point (45 minutes)

Comprehensive Planning in Waupaca County is a grassroots, multi-jurisdictional, multi-partner effort that successfully incorporated 'What-If,' a digital Planning Support System (PSS). The process has now employed 'What-If' for just over six months. Since then we've:
   • Provided opportunity to create over 250 suitability scenarios for the county and 33 municipalities using existing data from our County LIO.
   • Built the capacity of 14 planning professionals to run'What-If.'
   • Fostered public engagement at 15 public meetings for hundreds of participants.

Over the next year our local plan commissions will apply suitability models, growth projections, and locally held public knowledge to create future land use maps that meet their communities' goals and objectives. The results will be transparent, defensible, and measurable. This presentation shares the application of 'What-If' from the drawing table to the public meeting. It also describes lessons learned and the honing required to make "What-If" a success.

Track 4: Innovation & Applications - *Aralia Room*   11:00 a.m. – 12:30 p.m.

Disaster Recovery: It Doesn't Have to Be a Disaster
Vanessa Laviada, Fidlar Software (45 minutes)

Disaster Recovery is the ability to respond to an interruption in services by implementing a predetermined plan to restore an organization's critical business functions. This seminar is designed to assist county officials in understanding the need for such a plan and to begin thinking about ways they can adopt a plan for their office.

Electronic Real Estate Transfers in Wisconsin: The First Step in Clear Cutting the Data Jungle
Jim Pahl-Washa, WI DOR (45 minutes)

The presentation will describe how the Department of Revenue has implemented Electronic Real Estate Transfer Returns (e-RETR) in Wisconsin, and how this effort achieves a long-standing initiative to convert a complex paper process to an electronic filing and workflow management system. We'll summarize the technical and workflow barriers that are being resolved and the benefits for anyone that uses information from the sale or conveyance of property. The paper Real Estate Transfer Form (PE-500) has been regarded as one of the State's most paper intensive processes. Benefactors from electronically filed data include the property Grantor, Grantee, County Register of Deeds, County Real Property Tax Lister, County Treasurer, DOR Bureau of Property Tax, local assessors, private sellers of real estate, lenders, banks, attorneys, and title companies. We'll also touch on future benefits once deeds become electronic and the importance of electronic data for a multitude of applications.

Track 5: Technology Demonstration - *Mangrove Room*   11:00 a.m. – 12:30 p.m.

Who or What is Ramona?
Jerry Sullivan, WI DOA, & A.J Wortley, State Cartographer's Office (45 minutes)

Wisconsin is one of 10 states which will pilot Ramona, the Random Access Metadata tool for Online National Assessments. Ramona is an initiative of the National States Geographic Information Council (NSGIC). Ramona is a critically important complement to the National Spatial Data Infrastructure (NSDI), a robust "living" inventory tool that will increase production of metadata. The essential internet accessible system requirements are: an inventory of geospatial data and data management policies, updated by data producers and custodians; search and query capability to discover information; stock and custom reports; status and trend maps regarding data availability and data management policies; production and update of FGDC-compliant metadata; a customizable browser; integration of OGC specifications; maintenance of a professional contacts directory; tracking future data production projects; security to ensure integrity of data; and differentiated user designations that allow for varying system features.

Wisconsin GetFacts for Comprehensive Planning+A1
Bill Buckingham, Sarah Kemp, & Jim Beaudoin, UW Madison (45 minutes)

Communities developing its comprehensive plan often have a difficult time collecting the necessary data for the nine elements of a comprehensive plan. To assist this effort the Applied Population Laboratory (APL) will demonstrate a new integrated website providing access to the necessary data for developing a comprehensive plan. In addition, the APL's new Census data extractor, GetFacts, will be displayed as a tool for mapping and extracting geographically enabled Census data. Features of the new integrated website will be demonstrated, blending the need for comprehensive planning data with Census geography and data available for manipulation in the user's desktop GIS.

12:30 p.m. – 2:00 p.m.: Closing Lunch & Awards - Suites III, IV, V, VI
Closing lunch and awards will wrap up the conference. Poster contest results will be announced, and new officers and board members will be installed.

2:00 p.m. – 2:45 p.m.: New WLIA Board Meeting - Mangrove Room

WLIA
Conference 2006

Map Gallery Competition / Poster Contest

Navigate the competition with your best map!!!

Now is the time to prepare your entry for the WLIA 2006 Conference Map Gallery. Please complete the entry form (available at www.wlia.org) and bring it with you – along with your map and a digital copy of your map to the conference. Please drop off at the conference registration desk. Maps may be any size or shape, though suitable for "conference-style" viewing. Winners will be acknowledged at the Conference Awards Ceremony Luncheon on Friday, March 3, 2006. Awards will be presented for all 8 application categories in addition to three others: *President's Choice Award*, *People's Choice Award,* and *Best Student Award*.

For the Interactive Web-Based Mapping category, a computer will be available on-site for conference attendees to view the Web site. No paper or digital submissions are required for this category.

Entries will require a digital copy of the map be submitted at (or prior to) the conference in order to be eligible for an award. Please provide digital submissions in Adobe Acrobat format; however, TIF, PNG, JPEG and GIF are also acceptable. The resolution of the output file should be between 80-133 DPI. Files should be less than 5 MB in size.

Judging will take place on Thursday, March 2, 2006 from 5:00 p.m. - 7:30 p.m.

If you would like to submit your map entry PRIOR to the conference, please complete the entry form (available at www.wlia.org) and mail one copy of your map and digital file to: Ann Barrett, Executive Services Manager of WLIA, PO Box 389, Wild Rose, WI 54984 or if you need a street address: N6697 14th Ave, Almond, WI 54909.

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• General Information
Meals: The conference fee includes breaks and lunches on Thursday and Friday, and the reception on Thursday evening.
Dress Code: Business casual is appropriate for the entire conference.
Registration/Badges: Be sure to register when you arrive at the conference. You will need a name badge to attend all conference functions. This final program will also be distributed at the conference.
Job Board: We will have a bulletin board available near registration for you to post your job openings or resumes.

Kalahari Resort & Convention Center

Floor Plan

INDOOR WATERPARK

MAIN LOBBY

CONVENTION CENTER

SANDS BUILDING

MONSOONSALOON

FLOWRIGER

MUD HUT

FIRST AID

CRACKEDCOCONUT

BIG GAME ROOM (ARCADE)

OUTDOOR PLAYLAND

AMERICA'S LARGEST INDOOR WATERPARK

INDOOR WATERPARK ENTRANCE

CAPETOWN CONCESSIONS

CAFE MIRAGE

ZULU GRILLE

INGRAFFIA'S RESTAURANT

SAFARI FOOD COURT

TO ZAMBEZI OUTDOOR WATERPARK

ZAKANAKA STORE

IVORY COAST LOUNGE

ZANZIBAR

ELEVATOR

IRONWOOD

DESERT ROSE

FITNESS CENTER

MAHOGANY

SPA KALAHARI

BANYAN

SAFARI CLOTHING

CYPRESS

CROWN PALM

BAMBOO

ACACIA

GROUP SALES OFFICE

POTTERY PIZAZZ

NINA'S COFFEE & PASTRIES

ELEVATORS

KALAHARI OUTPOST

HOTEL ROOMS 2200's - 3200's - 4200's

SWEET HUT

WISTERIA

E   D

PORTIA

F   C

TAMARIND

G   B

GUAVA

EBONY

EMPRESS

H   A

BIG 5 FIREPLACE

FRONTDESK

MAIN LOBBY

HOTEL ROOMS 1400's - 2400's 3400's - 4400's, DAMON'S, CHILD CARE & CINEMA

PARKING

MANGROVE

5   4

ARALIA

6   3

MARULA

ALOESWOOD

7   2

TAMBOTI

8   1

FIRST FLOOR HALL - SECOND FLOOR SKYWALK

BUSINESS CENTER

PARKING

ATM

ENTRANCES AND EXITS

ATM MACHINE

STAIRS

TO HOTEL ROOMS

KAHUNAVILLE RESTAURANT & BAR

ELEVATOR

SKYWALK TO SANDS HOTEL ROOMS, BUSHWILLOW & SYRINGA SUITES

SECOND FLOOR FITNESS CENTER COFFEE SHOP KONDO SALES OFFICE

SANDS BUILDING

HOTEL ROOMS 1100's - 2100's 3100's - 4100's

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A WORLD AWAY.

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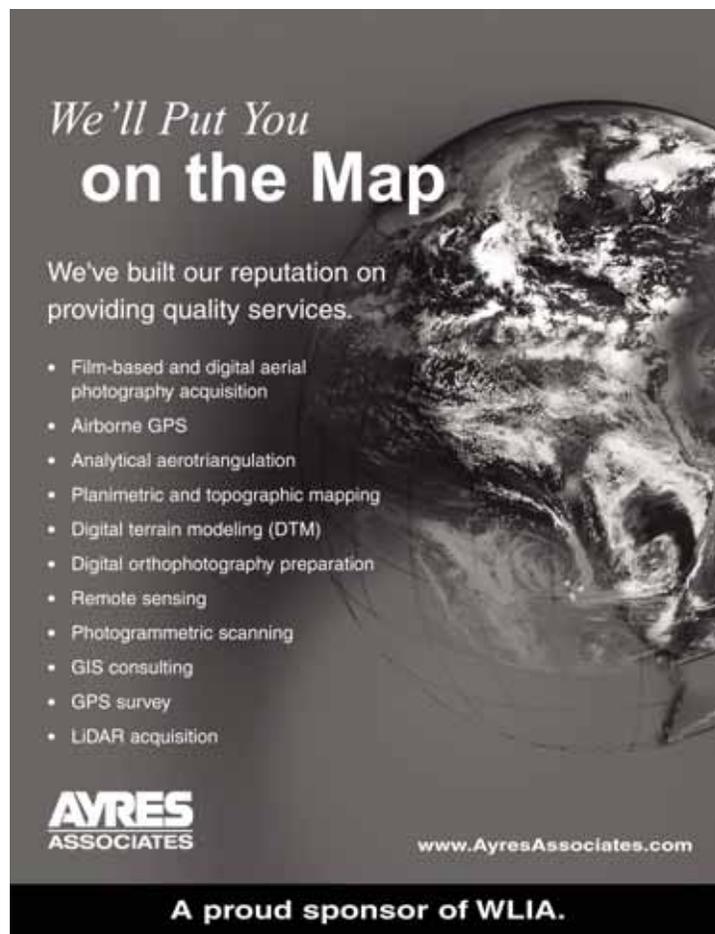
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