

WLIA ANNUAL SURVEY 2003

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Section 1: Organizational Information

1. Who is the Land Information Officer in your county?

Diann Danielsen

2. What is the telephone number of the LIO?

608-266-4942

3. What is the fax number of the LIO?

608-266-1242

4. What is the email of the LIO?

danielsen@co.dane.wi.us

5. To whom does the LIO report?

Comm(s) of County Board

6. Does your Land Information Office have a website?

Yes

No

7. If yes, what is the URL(s) (website address)?

www.co.dane.wi.us/lio

8. Does the Land Information Officer have other duties?

Yes

No

If yes, identify the percent of the job that is LIO related. %

9. Including the Land Information Officer, indicate the total number of full time equivalent staff positions allocated to Land Information Office activities.

3

10. Please provide: Name, Title, and Phone Number for each person who completed the survey

Name	Title	Phone
Diann Danielsen, LIO, 266-4942	LIO Manager	608-266-4942
Tim Confare, Fred lausly, LIO	Senior GIS Analyst	
Michelle Richardson, Troy Evers	Dane County department staff	
Ron Ripp	County Surveyor	608-266-4252
Kamran Mesbah, Dan Seidensticker	Dane County RPC & MAMPO sta	
Kevin Connors	LIO Chair, County Conservation	608-224-3731
David Gawenda	Treasurer	608-266-4151
Travis Myren	Asst. Director Dept. of Administ	608-264-8677
Jane Licht	Register of Deeds	608-267-8814
Todd Violante	Interim Dir. Planning & Developm	608-261-9799

11. Comments:

Section 2: GIS Software

1. Which of the following GIS software programs are used by your county?

Please check all that apply

<input checked="" type="checkbox"/>	AutoCad by Autodesk
<input type="checkbox"/>	AutoCad Map by Autodesk
<input type="checkbox"/>	Microstation by Bentley Systems
<input checked="" type="checkbox"/>	ArcGIS by ESRI
<input checked="" type="checkbox"/>	ArcView by ESRI
<input checked="" type="checkbox"/>	Map Objects IMS by ESRI
<input checked="" type="checkbox"/>	ARC IMS by ESRI
<input checked="" type="checkbox"/>	ARC SDE by ESRI
<input type="checkbox"/>	GenaMap by Genasys II
<input type="checkbox"/>	FRAMME by Intergraph
<input type="checkbox"/>	MGE by Intergraph
<input type="checkbox"/>	GeoMedia by Intergraph
<input type="checkbox"/>	GeoMedia Professional by Intergraph
<input type="checkbox"/>	MapInfo
<input type="checkbox"/>	Smallworld
<input checked="" type="checkbox"/>	Other <i>please specify</i> Eagle Point (C

2. Which of the following database software systems are used by for your land records?

check all that apply

<input type="checkbox"/>	Oracle
<input checked="" type="checkbox"/>	Microsoft Access
<input checked="" type="checkbox"/>	Microsoft SQL
<input type="checkbox"/>	Informix
<input type="checkbox"/>	AS/400
<input checked="" type="checkbox"/>	FoxPro
<input checked="" type="checkbox"/>	Other <i>please specify</i> <input type="text" value="Sybase"/>

3. Please indicate the primary vendor of GIS mapping software possessed by various county departments

County Office	Package 1	Package 2	Package 3	Other
Agricultural/ Extension	ArcView	--Specify--	--Specify--	
Emergency Government	ArcView	Arc IMS	--Specify--	
Forestry	--Specify--	--Specify--	--Specify--	
Highways/ Transportation	AutoCad	ArcView	--Specify--	Eagle Point
Information Services/ Data Processing	--Specify--	--Specify--	--Specify--	
Land Conservation	--Specify--	ArcView	--Specify--	Arc/Info, Eagle
Land Information Office	ArcGIS	ArcView	Arc IMS	Arc/Info, ArcE
Parks and Recreation	ArcView	Arc IMS	--Specify--	
Planning	--Specify--	ArcView	Arc IMS	Arc/Info

Public Health	ArcView	Arc IMS	--Specify--	
Public Works/ Infrastructure/ Solid Waste	--Specify--	--Specify--	--Specify--	
Real Property Lister	Arc IMS	--Specify--	--Specify--	
Register of Deeds	Arc IMS	--Specify--	--Specify--	
Sheriff	ArcView	Arc IMS	--Specify--	
Surveyor	ArcView	Arc IMS	--Specify--	Arc/Info
Treasurer	Arc IMS	--Specify--	--Specify--	
Zoning	ArcView	Arc IMS	--Specify--	
Other, <i>please specify</i> Human Servic	Arc IMS	--Specify--	--Specify--	
Other, <i>please specify</i> County Board	ArcView	Arc IMS	--Specify--	

4. Identify metadata software used.

Please check all that apply

<input checked="" type="checkbox"/>	Arc Catalog
<input type="checkbox"/>	Spatial Metadata Management Software (SMMS)
<input checked="" type="checkbox"/>	Other <i>please specify</i> Word template

5. Comments?

Section 3: Geodetic Control Networks

The WLIP geographic reference frameworks foundational element includes geodetic control networks (e.g., horizontal and vertical networks), the Public Land Survey System (section corner remonumentation and coordinates), and geographic control data (e.g., features captured on planimetric and topographic base maps, and by aerial photography and digital orthophotography).

Horizontal Geodetic Control Networks

In the early 1990's, the Wisconsin Department of Transportation (WisDOT), together with the National Geodetic Survey (NGS), developed a High Accuracy Reference Network (HARN) to provide primary horizontal control for Wisconsin.

1. **Does your county have a horizontal geodetic control network that pre-dates or is not based on the Wisconsin HARN?**

Yes

No

2. **Has your county developed a densified horizontal control network using the Wisconsin HARN?**

Yes

No, but our county plans to, *Skip to Question #5*

No, and there are no plans to, *Skip to Question #5*

3. **If yes, were WLIB, FGCS, and/or WisDOT guidelines followed in the densification of the HARN?**

Check all that apply.

<input checked="" type="checkbox"/>	Yes, WLIB Specifications and Guidelines to Support Densification of the Wisconsin High Accuracy Reference Network (HARN) Using Global Positioning System (GPS) Technology – June 1995 were used.
<input checked="" type="checkbox"/>	Yes, Federal Geodetic Control Subcommittee guidelines were used.
<input checked="" type="checkbox"/>	Yes, WisDOT guidelines were used.
<input type="checkbox"/>	No, none of these guidelines were used.

4. **If densification of the horizontal control network has been initiated, how much densification work has been completed within your county?**

	Number of stations completed in your county	Additional stations needed or planned
HARN	7	
Primary Stations (1 part per million)		
Secondary Stations (2 parts per million)	5	
Tertiary Stations (4 parts per million)		
Tertiary Stations (10 parts per million)	26	

5. **Were the horizontal control stations for your county blue booked (i.e. conform to the Input Formats and Specifications of the National Geodetic Survey Data Base of the Federal Geodetic Control Subcommittee) and submitted to the National Geodetic Survey for inclusion in their national database?**

Yes

No

Vertical Geodetic Control Networks

6. **Has your county developed a densified vertical control network based on the National Spatial Reference System?**

Yes

No, but our county plans to

No, and there are no plans to

7. **Comments?**

Fly Dane 2000 survey control work used HARN stations to ver

Section 4: Coordinate Data

1. What is the **primary** coordinate system used by your county for digital mapping/GIS?

2. What is the **primary** horizontal datum used by your county for digital mapping/GIS?

3. What is the **primary** vertical datum used by your county for digital mapping/GIS?

4. Does your county have the ability to convert non-compliant data to the coordinate system used by your county?

- Yes, we process it internally
 Yes, we contact it out
 No

5. **Comments?**

Section 5: Public Land Survey System

1. Does your county have an active remonumentation program?

Yes

No

Planned

2. How many PLSS corners (section, 1/4, meander) in your county have been remonumented meeting or exceeding 1970 Wisconsin statute requirements?

corners of corners total.

3. When PLSS corners in your county are being remonumented or reestablished, are coordinates developed and tied to the geodetic control network?

Yes

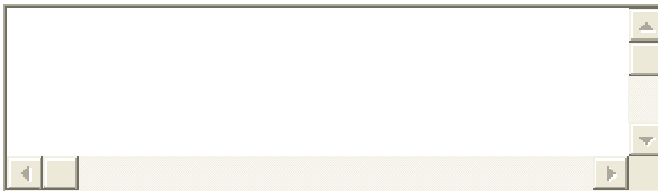
No

Planned

4. How many PLSS corners in your county have FGCC Third Order Class 1 coordinate values?

corners of corners total.

5. Comments?



Section 6: Digital Base Maps

A base map can be defined in several different ways. For the purposes of this survey, a base map consists of natural and human-made features (those that can be identified and mapped using photogrammetric or field methods) in a digital vector format (represented through points, lines, and polygons). Examples of base map features may include waterways and tree lines as representations of natural features and building outlines and street pavement edges as representations of human-made features. A list of base map features is included in Question #3. Image bases (including digital orthophotography) and digital elevation data (contours, spot elevations, digital elevation models, etc.) are addressed in later sections of this survey.

1. Has your county created or acquired a digital base map in vector format?

- Yes
- No, but my county intends to
- No, and there are no plans to

2. Which of the following features do you include as part of your digital base map?

Please check all that apply

	Feature	Percent Complete	Plan to Complete?	Plan to Maintain or update?
<input type="checkbox"/>	Building footprints	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Building Centroids	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Address points	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Surface hydrography	<input type="text" value="100"/> %	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Wetlands and swamps	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Street centerlines	<input type="text" value="100"/> %	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Center of right-of-way	<input type="text" value="100"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Street edge of pavement	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Railroads	<input type="text" value="100"/> %	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Driveways	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>

<input type="checkbox"/>	Parking lots	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Sidewalks	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Trees and wooded areas	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Utility poles and towers	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Fencelines	<input type="text"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Municipal and County boundaries	<input type="text" value="0"/> %	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Other <i>Please Specify:</i> <input type="text" value="Parks (except"/> %	<input type="text" value="100"/> %	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Other <i>Please Specify:</i> <input type="text"/>	<input type="text" value="0"/> %	<input type="checkbox"/>	<input type="checkbox"/>

3. Which of the following best represents the compilation scale of digital base mapping maintained by your county?

- 1:1200 scale (1"=100') or larger scale
- 1:1201 to 1:2400 scale (1"=200')
- 1:2401 to 1:4800 scale (1"=400')
- 1:4801 to 1:9600 scale (1"=800')
- 1:9601 to 1:12,000 scale (1"=1000')
- 1:12,001 to 1:24,000 scale (1"=2000')
- Smaller scale than 1:24000 scale (1"=2000')

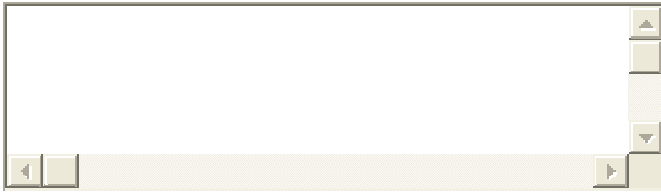
4. Have cities, villages, and towns in your county developed their own digital base maps?

- Yes
- No

If yes, please list the cities.

We initially received base map data from Oregon, Waunakee, N

5. Comments?



Section 7: Digital Elevation Data

1. Has your county created or acquired digital elevation data?

- Yes
- No, but our county plans to, *Skip to Next Section*
- No, and there are no plans to, *Skip to Next Section*

2. If yes for Question #1, what is the format of the digital elevation data maintained by your county?

Please check all that apply

Format of Digital Elevation Data	Contour Interval	Resolution (grid cell size)	Vertical Accuracy (+/-)	Percent Complete
Contours	4'	N/A	2'	100%
Other Elevations (e.g. spot elevations, mass points, and break lines)	N/A	N/A	2'	100%
Terrain Matrices (e.g. raster array, such as the USGS DEM)	N/A	10'	2'	100%
Triangulated Irregular Network (TIN)	N/A	N/A	2'	100%
Other, <i>Please Specify:</i> Contours	2'	N/A	1'	%

3. Comments?

2' contours and densified terrain model (1' vertical accuracy) ir

From 1995 ortho flight: 10' contours, 30m DEM

Section 8: Image Base Maps

Image Bases

1. Has your county created or acquired digital orthophotography?

Yes

No, but our county plans to, *Skip to Question #4*

No, and there are no plans to, *Skip to Question #5*

2. If yes to Question #1, how much of your county is complete?

%

Is it in your primary county coordinate system?

Yes

No

3. Does your county intend to acquire or update digital orthophotography?

Yes

No

If no, Please skip to Question 4

If yes, Please specify the resolution of the next update:

and the year:

4. Please provide information about the date, scale, and resolution of the digital orthophotography for the appropriate source(s):

Source	Date of photography	Scale of image product	Resolution of DOPs(grid cell size)	Color or Black and White
Digital Orthophoto Quarter Quadrangles by the U.S. Geological Survey	<input type="text" value="2000"/>	<input type="text" value="1:12,000"/>	<input type="text" value="1 meter"/>	<input type="text" value="Black and White"/>
County or County Consortium	<input type="text" value="2000"/>	<input type="text" value="1:12,000"/>	<input type="text" value="12 inch"/>	<input type="text" value="Black and White"/>
Regional Planning Commission	<input type="text"/>	<input type="text"/>	<input type="text" value="--Select Resolution--"/>	<input type="text" value="--Specify Color--"/>
Other Please Specify <input type="text" value="county (son"/>	<input type="text" value="2000"/>	<input type="text" value="1:12,000"/>	<input type="text" value="6 inch"/>	<input type="text" value="Black and White"/>

5. Comments?

Limited 6" imagery update (26 sq. miles in urbanized areas) ac

Section 9: Parcels

1. **What is the current number of tax parcels in your county (please include woodland tax law lands, private forest croplands, managed forest lands, county forest crop, and tax-exempt parcels)?**

178497

2. **Has your county created or acquired digital parcel mapping?**



Yes



No, but our county plans to



No, and there are no plans to

3. **What percentage of the total parcels in your county are in digital form, including cities, villages, and towns?**

98

%

4. **Have cities, villages, and towns in your county developed their own digital parcel mapping?**



Yes



No

5. For the parcels you have mapped, what percentage were based on each or any of the following methods? Note, the percentage may total more than 100%.

Compilation Method	Percent Complete
Developed parcel boundary lines by digitizing existing paper/mylar/linen maps, but with no adjustment to a known geographic reference framework.	<input type="text"/> %
Developed parcel boundary lines by digitizing existing paper/mylar/linen maps and adjusting them to the best available PLSS coordinates	<input type="text" value="50"/> %
Created digital parcel boundary lines using coordinate geometry from property descriptions, but with no adjustment to a geographic reference framework.	<input type="text"/> %
Created digital parcel boundary lines using coordinate geometry from property descriptions into a geographic reference framework.	<input type="text" value="15"/> %
Digitized existing maps using orthophotos/aerial photography to adjust the boundaries.	<input type="text" value="0"/> %
Incorporated digital data (e.g. certified survey maps) from an outside source.	<input type="text" value="35"/> %
Other compilation method, Please Specify: <input type="text"/>	<input type="text"/> %

6. Digital parcel mapping for your county was:

- Completed by an outside vendor
- Completed "in-house" by county staff
- Combination % by county

7. Digital parcel maps for your county are now maintained:

- Maintained by an outside vendor
- Maintained "in-house" by county staff
- Combination % by county

8. Which of the following graphic features do you consider as part of your digital parcel mapping?

Check all that apply.

<input checked="" type="checkbox"/>	Deed/title boundaries (ownership parcels)
<input type="checkbox"/>	Parcel overlaps and gaps
<input checked="" type="checkbox"/>	Tax parcel boundaries
<input checked="" type="checkbox"/>	PLSS framework
<input checked="" type="checkbox"/>	Subdivision boundaries
<input checked="" type="checkbox"/>	Administrative/political boundaries
<input checked="" type="checkbox"/>	Road rights-of-way
<input checked="" type="checkbox"/>	Railroad rights-of-way
<input type="checkbox"/>	Easements
<input checked="" type="checkbox"/>	Meandered water bodies
<input checked="" type="checkbox"/>	All water bodies (streams, rivers, ponds, and lakes)
<input type="checkbox"/>	Building footprints
<input type="checkbox"/>	Building centroids
<input checked="" type="checkbox"/>	Text strings
<input checked="" type="checkbox"/>	Owner names
<input type="checkbox"/>	Hydrography
<input type="checkbox"/>	Bearings and distances
<input checked="" type="checkbox"/>	Other, please specify: <input type="text" value="Some easeme"/>

9. Does your county's digital parcel mapping have topology? (For the purpose of this survey, topology is defined as digital parcels structured as polygons with all lines ending at a node without under- or over-shoots.)

- Yes
- No

10. Are digital parcels coded with unique parcel identification numbers?

Yes

No

11. If yes, what standards are used for developing unique parcel identification numbers?

Check all that apply.

<input checked="" type="checkbox"/>	WLIB Parcel Identification Numbering System
<input type="checkbox"/>	Standard developed by county government
<input type="checkbox"/>	If not WLIB Standard, please describe or provide document name <input type="text"/>

12. Can a linkage be made between digital parcel mapping and tax roll/assessment databases? (e.g., to support thematic mapping of attributes such as assessed value, assessment class, and ownership)

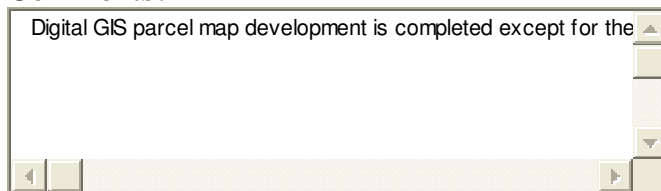
Yes, such a linkage is simple

Yes, but on a project-by-project basis with some additional manipulation of digital parcel mapping and/or the tax roll/assessment database

No

13. Comments?

Digital GIS parcel map development is completed except for the



Section 10: Zoning

1. Does your county have zoning?

Yes

No

If no, skip the rest of this section.

2. Has your county created or acquired digital mapping of zoning boundaries?

Yes

No

If no, does your county intend to create or acquire digital mapping of zoning boundaries?

Yes

No

If no, skip the rest of this section.

3. Does your county have separate series of maps depicting the following zoning elements in digital form?

Please check all that apply and include the percent complete for the entire county.

Zoning Element	Percent Complete	Plan to complete?	Plan to maintain or update?
Shoreland zones	<input type="text"/> %	No <input type="button" value="v"/>	No <input type="button" value="v"/>
Wetland zones	<input type="text"/> %	No <input type="button" value="v"/>	No <input type="button" value="v"/>
Floodplain zones	<input type="text"/> %	No <input type="button" value="v"/>	No <input type="button" value="v"/>
General ordinance zones (residential, commercial, industrial, agricultural, etc.)	100 %	Yes <input type="button" value="v"/>	Yes <input type="button" value="v"/>
Environmental corridors	100 %	Yes <input type="button" value="v"/>	Yes <input type="button" value="v"/>
Urban Service Areas	100 %	Yes <input type="button" value="v"/>	Yes <input type="button" value="v"/>
Steep Slopes	100 %	Yes <input type="button" value="v"/>	Yes <input type="button" value="v"/>

Other, please specify <input type="text"/>	<input type="text"/> %	No <input type="button" value="v"/>	No <input type="button" value="v"/>
-----------------------------------------------	------------------------	-------------------------------------	-------------------------------------

4. Is general ordinance zoning (residential, commercial, industrial, etc.) administered on a countywide basis?

Yes

No

5. Does the county presently have the capability to integrate multiple types of zoning boundaries into a single comprehensive zoning map in a digital format?

Yes, for county and municipal zoning

Yes for county zoning only

No

6. Comments?

The Dane County RPC is the custodian for Environmental Corric

Section 11: Soils

Soils

The primary source of digital soils mapping in Wisconsin is the U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS). (NRCS was formerly known as the Soil Conservation Service). The Soil Survey Geographic Database (SSURGO) is the most detailed level of digital soil mapping done by NRCS. SSURGO digitizing duplicates the original soil survey maps. SSURGO is designed for use by landowners, townships, and county natural resource planning and management.

1. **Has your county acquired digital soils data from the U.S. Department of Agriculture, Natural Resources Conservation Service?**

Yes

No *Skip to Question #3*

2. **If yes, has your county modified or refined NRCS digital soils data?**

Yes

No

If yes, please briefly describe the modifications or refinements made.

3. Has your county acquired or developed digital soils data from another source?
(Note: This refers to the source of the digital data only; the original source material -- soil surveys -- may still be from NRCS)

Yes

No

If yes, please describe the source for digital soils other than NRCS.

Soils data were primarily developed by UW-Madison (LICGF)w
data for this data set was the NRCS Dane County Soil survey.

If yes, is it in a format consistent with the counties primary coordinate system?.

Yes

No

4. Comments?

Section 12: Wetlands

The primary source of digital wetlands mapping in Wisconsin is the Wisconsin Wetlands Inventory (WWI). The custodian and sole distributor of digital WWI data is the Wisconsin Department of Natural Resources, Bureau of Fisheries Management and Habitat Restoration. WWI maps are the regulatory base for all state wetland protection programs.

1. **Has your county acquired digital Wisconsin Wetlands Inventory data from the Wisconsin Department of Natural Resources?**

Yes

No *Skip to Question #4*

If no, why not.

2. **If yes, has your county modified or refined digital Wisconsin Wetlands Inventory data?**

Yes

No

If yes, please briefly describe the modifications or refinements made.

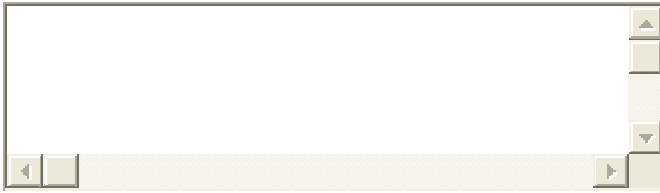
3. **Has your county acquired or developed digital wetlands data from another source?**

Yes

No

If yes, please describe the source for digital wetlands other than WWI.

4. Comments?



Section 13: Administrative Boundaries

1. Does your county have digital mapping of administrative boundaries?

- Yes
 No, but our county plans to.
 No, and there are no plans to.

2. Which of the following administrative boundaries are locally produced?

Please check all that apply

Administrative Boundary		Source	Percent Complete	Plan to Complete?	Plan to Maintain or update?	Consistent with Parcel Mapping?
County Boundaries	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Minor civil divisions (cities, villages, and towns)	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sewerage districts	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water supply districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electric utility districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas utility districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phone utility districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cable television utility districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Legislative districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Voting ward boundaries	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tax increment financing districts	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

School districts	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lake districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Census geographies (tracts, block groups, blocks)	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Native American reservations	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Agency administrative districts	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zip codes	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public lands	<input checked="" type="checkbox"/>	Local	50 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
911 / E911 Service areas	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, <i>Please Specify:</i> Supervisory d	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other, <i>Please Specify:</i> EMS/Fire distri	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. **Comments?**

Section 14: Street Network System

1. What type of street network mapping does the county have?

Digital

Hard Copy Only

None

2. If the county has digital and/or hardcopy street network mapping, how much of the county is complete?

Digital

Hard Copy

3. If the county does not currently have street network map in digital form, do you intend to create one?

Yes

No

N/A

Format of Street Network Mapping

4. Which of the following features do you include as part of your street network system?

Please check all that apply

Digital	Hardcopy	Features
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Street centerlines
<input type="checkbox"/>	<input type="checkbox"/>	Street edge of pavement
<input type="checkbox"/>	<input type="checkbox"/>	Street Rights-of-Way
<input type="checkbox"/>	<input type="checkbox"/>	Bridges
<input type="checkbox"/>	<input type="checkbox"/>	Address ranges
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other, <i>Please Specify:</i> <input type="text" value="addresses"/>

5. How current is your street network data

Digital

Hard Copy

6. What are the methods used for compiling street network data?

Please check all that apply

Digital	Hardcopy	Compilation Method
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Compiled for the county using photogrammetric methods.
<input type="checkbox"/>	<input type="checkbox"/>	Digitized by or for the county from existing paper or mylar source.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Digitized by or for the county from orthophotos or aerial photography.
<input type="checkbox"/>	<input type="checkbox"/>	Modified from TIGER/Line files.
<input type="checkbox"/>	<input type="checkbox"/>	Created using coordinate geometry (COGO) software from an existing source.
<input type="checkbox"/>	<input type="checkbox"/>	Acquired from vendor (e.g. GDT, TeleAtlas, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	Other, <i>Please Specify:</i> <input type="text"/>

Street Addressing

7. Does the digital street network system for the county include information on individual street addresses?

Yes

No

Planned

8. Does the digital street network system for the county include information on street address ranges?

Yes

No

Planned

9. Is address information linked to digital mapping of the street centerline for the county?

Yes

No

Planned

10. Is address information linked to digital mapping of buildings for the county?

Yes

No

Planned

11. Does your county follow United States Postal Service addressing standards?

Yes

No

12. What type of addressing system is generally used by your county?

Urban Addressing

Numbers / Unit

/

eg. 100 / Block

1000 / Mile

Other, *Please Specify*

Dane County rural addressing

13. Comments?

Section 15: Land Use Mapping

1. What type of land use mapping does the county have?

Existing Land Use	Future Land Use
<input type="checkbox"/> Digital	<input type="checkbox"/> Digital
<input type="checkbox"/> Hard Copy Only	<input type="checkbox"/> Hard Copy Only
<input type="checkbox"/> None	<input type="checkbox"/> None

2. If the county has digital and/or hard copy land use mapping, how much of the county is complete?

Existing Land Use	Future Land Use
Digital <input type="text" value="100"/> %	Digital <input type="text" value=""/> %
Hard Copy <input type="text" value="100"/> %	Hard Copy <input type="text" value=""/> %

3. If the county has digital and/or hard copy land use mapping, what time period does that mapping represent?

Existing Land Use

Digital yr

Hard Copy yr

Future Land Use

Digital yr

Hard Copy yr

4. If the county does not currently have land use mapping in digital form, do you intend to create it?

Existing Land Use	Future Land Use
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> No	<input type="checkbox"/> No
<input type="checkbox"/> N/A	<input type="checkbox"/> N/A

Section 16: Natural Resources

1. Does your county have digital mapping of natural resources?

- Yes
 No, but my county intends to. *Skip to Next Section*
 No, and there are no plans to. *Skip to Next Section*

2. Which of the following natural resources are mapped in digital format?

Please check all that apply

Natural Resource		Source	Percent Complete	Plan to Complete?	Plan to Maintain or update?
Land cover	<input checked="" type="checkbox"/>	Local	30 %	<input type="checkbox"/>	<input type="checkbox"/>
Geology	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Watersheds	<input checked="" type="checkbox"/>	State	100 %	<input type="checkbox"/>	<input type="checkbox"/>
Hydrogeology	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Forests	<input checked="" type="checkbox"/>	Local	17 %	<input type="checkbox"/>	<input type="checkbox"/>
Hydrography	<input checked="" type="checkbox"/>	Local	100 %	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Endangered resources	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Impacts on the environment	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Other, <i>please specify:</i> Some sub-w a	<input checked="" type="checkbox"/>	Local	30 %	<input type="checkbox"/>	<input type="checkbox"/>
Other, <i>please specify:</i> 	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>

3. Comments?

Some geologic data (bedrock geology and Pleistocene geology)

Section 17: Infrastructure and Facilities Management

1. Does your county have digital mapping of infrastructure systems?

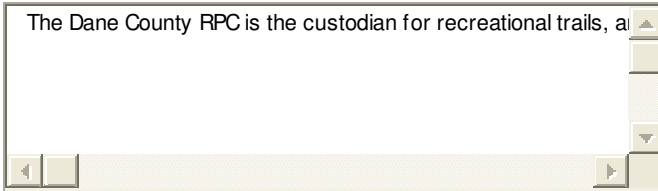
- Yes
- No, but my county intends to. *Skip to Next Section*
- No, and there are no plans to. *Skip to Next Section*

Please check all that apply

Facility		Source	Percent Complete	Plan to Complete?	Plan to Maintain or update?
Railroads	<input checked="" type="checkbox"/>	State	100 %	<input type="checkbox"/>	<input type="checkbox"/>
Harbors	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Transit systems	<input checked="" type="checkbox"/>	Local	95 %	<input type="checkbox"/>	<input type="checkbox"/>
Airports	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Recreational trails	<input checked="" type="checkbox"/>	--Source--	100 %	<input type="checkbox"/>	<input type="checkbox"/>
Natural gas network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Electric network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Sewer network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Water network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Phone network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Telecommunications network	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Government facilities	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: <input type="text"/>	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: <input type="text"/>	<input type="checkbox"/>	--Source--	%	<input type="checkbox"/>	<input type="checkbox"/>

2. Comments?

The Dane County RPC is the custodian for recreational trails, a



Section 18: Completion Time for Foundational Elements

1. When do you contemplate completing the following spatial data elements in digital form?

Activity	Expected Completion
Densification of horizontal control from (HARN)	Already Complete
Densification of vertical control network	Complete after 2006
Remonumentation of PLSS section corners	Complete after 2006
Coordinate values on PLSS section corners	Complete after 2006
Digital base map in vector format	Already Complete
Image bases (digital orthophotography)	Already Complete
Vector elevation data (contours/spot elevations)	Already Complete
Raster elevation data (DEM)	Already Complete
Parcels	Already Complete
Zoning	Already Complete
Soils	Already Complete
Wetlands	Already Complete
Administrative boundaries	Already Complete
Street centerlines	Already Complete
Street addresses	Complete in 2005
Land use mapping	Already Complete
Natural resources	Already Complete
Infrastructure and facilities management	Not planned

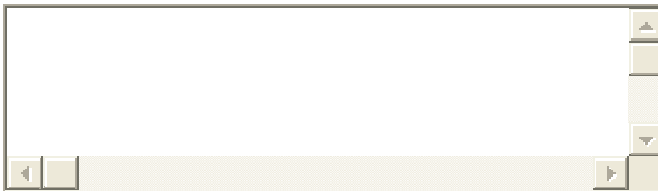
2. Comments?

Section 19: Data Integration

1. **Has the county acquired and/or combined digital spatial data from municipalities within the county to study a cross-jurisdictional issue?**

- Yes
- No, but this is technically feasible
- No, data are not available or are incompatible

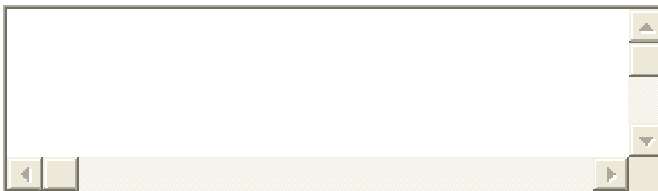
If yes, please briefly describe the most significant data integration project within the county, including data themes shared, successes, problems (technical and institutional), and lessons learned.



2. **Has the county acquired and/or combined digital spatial data with adjacent counties to study a cross-jurisdictional issue?**

- Yes
- No, but this is technically feasible
- No, data are not available or are incompatible

3. **Comments?**



Section 20: Institutional Arrangements

1. Does your county have formal (written) or informal arrangements with other entities?

Yes

No

If no, please skip to next section.

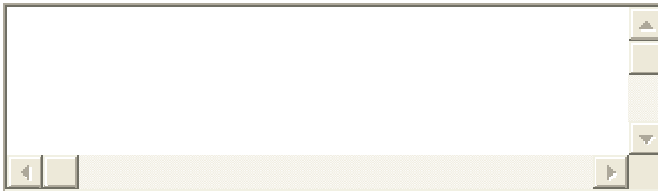
2. Please list the institutional arrangements that exist for your county. Indicate which agencies participate and if the nature of the arrangement is formal (written) or informal (verbal) or are to be negotiated in the future.

Multi-Departmental/Single Governmental Unit	Nature of Arrangement
Cartographer	Informal
Conservationist	Formal
Data Processing Department	Informal
Emergency Government	Informal
Forest and Park Administration	Informal
Land Information Office	Formal
Planning and Zoning	Formal
Real Property Lister	Informal
Register of Deeds	Formal
Sheriff	Informal
Solid Waste Department	--Type of Arrangement--
Surveyor	Formal
Transportation	Formal
Treasurer	Formal
Zoning	Formal
Other (Please specify) <input type="text"/>	--Type of Arrangement--

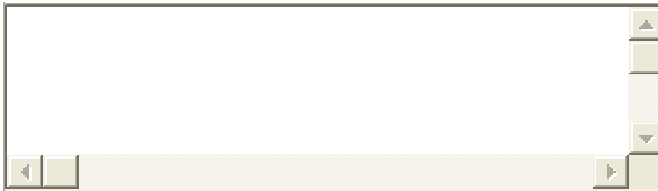
3. **Indicate the number of formal (written) or informal (verbal) arrangements your county has with each of the following types of entities.**

	Formal	Informal
Municipalities within the county	55	61
Municipalities outside the county	0	0
Other counties	0	0
Regional agencies	2	0
State agencies	4	0
Federal agencies	1	0
Private sector organizations	0	1

4. **Copy and paste a sample arrangement into the text box below, if applicable.**



5. **Comments?**



Section 21: Communications, Education, and Training

1. Rate the following activities based on the amount of activity. Communications is the mechanism to disseminate information. Education and training is based on learning concepts and “hands-on” experience. Please rank the amount of activity from 1-5, where 5 indicates a high degree of activity.

Communications

Education and training

2. Does your county support any of the following activities?

- **Publishes a land information newsletter**

Yes

No

- **Provides financial support to attend land information conferences**

Yes

No

- **Sponsors land information conferences**

Yes

No

- **Sponsors land information training seminars for staff members**

Yes

No

- **Sponsors land information training seminars and short courses for professionals outside the county**

Yes

No

- **Provides support for staff to obtain degrees in related fields**

Yes

No

3. Comments?

LIO sponsors internal GIS User Group and ArcView training fo

Section 22: Public Access

1. Does your county use any of the following means to provide public access to digital spatial data?

Please check all that apply

- Public access terminal
- Electronic kiosk
- Compact disc or other media
- Internet web site --- please specify URL
- Dial-up or FTP access--- please specify IP Address
- Other --- please specify

2. If your county has a web site for public access, what functions are available?

- View spatial data
- View tabular data
- View static maps
- View static tables
- Make maps
- Query tabular data
- View GIS product catalog
- View Metadata
- Download data
- Order data
- View information policies
- Track land information events
- Other, --- please specify:

3. Does your county have plans to provide access to digital spatial data through the Wisconsin Land Information Clearinghouse (WISCLINC)?

Yes

No, but we plan to in the future

No, we have no plans to because:

data access via county website with link to WISCLINC

4. Does your county have plans to provide access to metadata about digital spatial data through the Wisconsin Land Information Clearinghouse (WISCLINC)?

Yes

No, but we plan to in the future

No, we have no plans to because:

5. Has your county developed a formal information sharing policy that addresses issues such as pricing, copyright, privacy, liability, data sharing, etc.?

Yes

No, but we plan to in the future

No, we have no plans to do so

6. Does your county utilize any of the following when providing digital spatial data to other government agencies?

Please check all that apply

Copyright

License agreement

Restrictions on dissemination of data

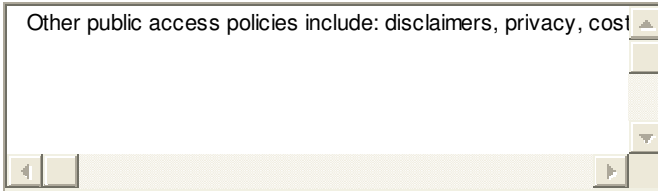
Charge for the cost of reproduction

Charge in addition to the cost of reproduction

Other restrictions -- please specify

7. Comments?

Other public access policies include: disclaimers, privacy, cost



Section 23: Modernization Stages

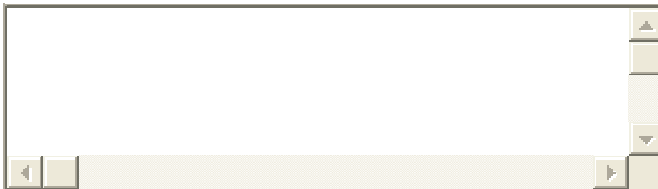
Development of an automated land information system for a variety of users can be categorized into six different stages based upon the kinds of activities for which that system is being used. These six stages are listed in the question below. [Note: This question was originally asked as part of a 1996 survey in Wisconsin on evaluating the diffusion of Multipurpose Land Information Systems in local governments.]

1. **Which of the following stages most accurately describes the current stage of land information system development by your local government organization or the one with which you work most closely?**

Please check all that apply

- no modernization activities**-- activities are limited to manual processes and there are currently no planned modernization efforts;
- system initiation stage** -- activities are directed toward establishing the prerequisites for such a system (e.g., database design, needs assessment, procurement);
- database development stage** --building databases to support land information management (e.g., geographic frameworks, resource boundaries, parcel map construction);
- recordkeeping stage** --existing data are used in routine queries and selective information retrieval (e.g., tax assessment, number of new building permits);
- analysis stage** --existing data enable the performing of complex queries (e.g., 911 emergency routing, land-fill siting);
- democratization stage** --existing data enable agency decision-makers and the public to conduct spatial analyses (e.g., alternative scenarios for future land and resource use or evaluation of social services).

2. **Comments?**



Section 24: WLIP & Survey Questions

1. What do you consider the most significant benefit to your county that has resulted, thus far, from the Wisconsin Land Information Program?

Modernization of land records and land information systems. E

2. In the last year, how would you rate the performance of the Wisconsin Land Information Board?

- Excellent
- Very good
- Good
- Fair
- Poor

Comments:

WLIB needs to meet on a regular basis in order to adequately s

3. What are your impressions of the survey?

- The survey was too short and did not cover enough detail about county LIS activities.
- The survey was reasonable in length and covered county LIS activities in adequate detail.
- The survey was too long and covered county LIS activities in too much detail.

4. **How many people were involved in completion of this survey?**

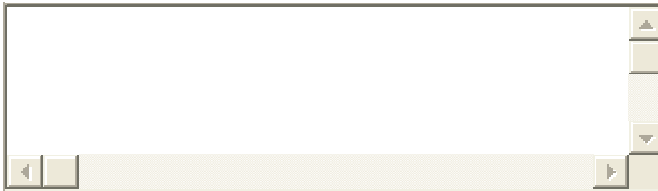
People

(Please make sure that all persons who completed the survey are listed in Section 1, Question 10, thanks)

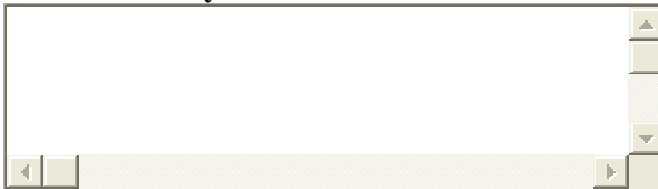
5. **What was the total staff time devoted to completion of this survey?**

Hours

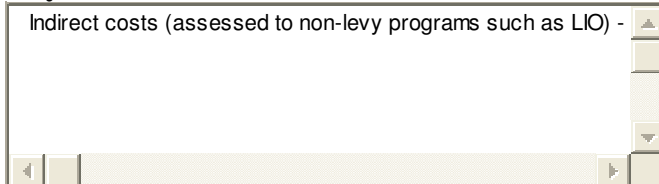
6. **Describe any specific benefits deriving from the county's land records modernization activities. Your responses will help demonstrate the effectiveness of the WLIP.**

A large, empty rectangular text area with a light beige background and a thin black border. It includes standard scrollbars on the right and bottom edges.

7. **Estimate the annual investment of county fiscal resources above & beyond that amount directly attributable to WLIP Grants and retained fees.**

A large, empty rectangular text area with a light beige background and a thin black border. It includes standard scrollbars on the right and bottom edges.

Any additional comments on this section:

A rectangular text area with a light beige background and a thin black border. It contains the text "Indirect costs (assessed to non-levy programs such as LIO) -" followed by a small downward-pointing arrow. It includes standard scrollbars on the right and bottom edges.

Section 25: Retained Fees

Retained Fees

The County is required to use \$1 of each \$5 fee retained to develop and maintain a computerized indexing of the county's land information records relating to housing, including the housing element of the country's land use plan under s. 66.1001(2)(b), Wis. Stats., in a manner that would allow for greater public access via the Internet. There were four categories of eligible activities specified in the guidelines:

- Property Assessment and Tax Information accessible via the Internet;
- Current Housing Supply and Forecasted Demand of Residential, Commercial, Industrial and other Lands;
- Affordable and Special Needs Housing Information;
- Housing Sales Information.

Eligible Expenditures of this \$1 retained fees to achieve the above would include:

- Computer Hardware;
- Computer Web-Enabled Software;
- Vendor Contracting;
- Metadata Development.

1. **The total retained fees represented by the collection of the additional \$1 for the 2003 calendar year:**

235444

2. **Indicate total retained fees of the additional \$1 for the 2003 calendar year which have been expended on these activities?**

135444

3. **Please briefly describe the activities that have led to the accessibility of property assessment, tax housing, and/ or sales information via the internet. This space accommodates 4- 5 Sentences.**

For 2003, \$100,000 was reserved for upcoming smart growth

4. Please list all URLs (web site addresses) for those internet sites that demonstrate activity in the area of the providing property assessment, tax, housing and / or sales data accessible via the internet for your country.

accessdane.co.dane.w i.us