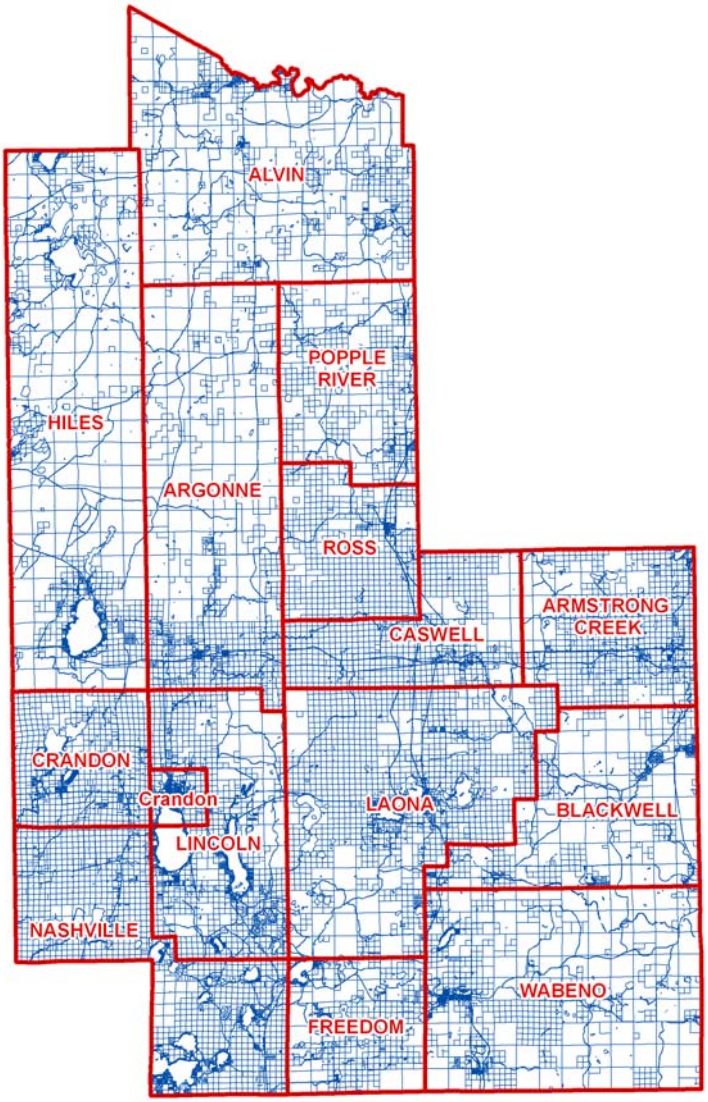
FOREST COUNTY



2010 - 2015
Land Information Plan

Prepared By North Central Wisconsin Regional Planning Commission

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Forest County
Land Information Plan
2005-2010

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Forest County
Land Information Plan
2005-2010

I. Executive Summary

A. Identification and Contact Information

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B. Participants in the Planning Process

Ad Hoc Land Modernization Committee
Paul Aschenbrenner, Register of Deeds / Land Information Officer
Steve Nelson, UWEX
Pam LaBine, Zoning Administrator
Amy T. Krause, Treasurer / Property Lister
Teresa Huettl, Emergency Government / IT Coordinator
David Ziolkowski, Forestry Administrator
Andrew Faust, GISP Senior GIS Analyst, North Central WI RPC

C. Executive Summary

The purpose of this plan is to outline a strategy for Forest County land records modernization development and the implementation of a geographic information system (GIS). The Forest County Land Information Plan documents the goals, objectives, and initiatives of the Land Modernization Committee and provides county, city and town officials, state agencies, private entities and any other interested parties with the basic knowledge of Forest County's efforts in land records modernization and its potential applications.

II. Land Modernization Plan

A. Goals and Objectives

1. Forest County's goal is to develop a geographic information system (GIS) that can provide useful quality information for its citizens, agencies, businesses, and other users of land information in an equitable and efficient manner.

The goals and objectives of Forest County are:

- ⇒ Maintain countywide planametric base map.
- ⇒ Update the positional accuracy of a countywide address map.
- ⇒ Completion of a countywide digital zoning map. Forest County is currently finishing a county wide comprehensive plan. Upon the completion new maps will be created using existing GIS base data.
- ⇒ Acquisition of personal computers, printers / plotters, and scanners to be used by the Treasurer, Real Property Lister, Land Conservation and Zoning Administrator necessary to maintain and utilized the GIS system.
- ⇒ Purchase and upgrades of GIS software.
- ⇒ Work with county departments and county board to create a GIS position to maintain and use the large amounts of data that has been created.
- ⇒ Acquire new orthophotography
- ⇒ Continue to train existing county staff
- ⇒ Coordinate Forest County land records modernization efforts with those of: Planning and Zoning, Register of Deeds, Land Conservation Department, Highway Department, Sheriff's Department; Property Lister; Parks and Forestry; Department of Natural Resources, Treasurer; Emergency Management; Local Municipalities, Tribal, Regional Planning and the Private Sector.
- ⇒ Forest County will continue to make a collaborative effort to discuss and forward ideas, and problems on to regional and state level as well as maintain representation in appropriate arenas. In order to realize the goals and objectives of this plan the county must meet a number of critical success factors. Critical success factors are those attributes, assets, or skills that will be needed for the successful implementation of a GIS.

2. The implementation of a geographic information system that is horizontally and vertically integrated is dependent on the continuation of the Wisconsin Land Information Board (WLIB) grant program, retained fees collected and funding from the tax levy. Geographic information system implementation will increase the quality of the products and services offered to the public and minimize the need for the public to search from department to department for requested information.

a. Forest County continues to obtain planametric information needed for parcel mapping from multiple sources. The County contracted with the North Central Regional Planning Commission (NCWRPC) to organize the existing data. This data is now being used to assist with the parcel mapping project.

b. Orthophotography has always been a challenge for Forest County to acquire. Forest County participated in the Wisconsin Regional Orthophotography Consortium (WROC) to acquire 2010 imagery. With the cost of orthophotography and the geographical size of Forest County it has become harder to acquire current imagery

c. (1) Since the majority of the state and counties are currently using Environmental Systems Research Institute (ESRI) as their GIS vendor that will be the choice of Forest County to meet the requirement of data that is readily translatable/transferable.
(2) The County will use hardware/software that is consistent with state and other locals to ensure that data is translatable and retrievable.
(3) Forest County's data is based on (Wisconsin Transverse Mercator WTM 83/91) which is mathematically relatable to the North American Datum (NAD) 83.

d. All GIS Layers in Forest County are referenced to Wisconsin Transverse Mercator WTM 83/91 in meters and defined with that projection in ESRI Software.

e. Forest County continues to try to keep the county GIS data current. With limited budget and staffing this become more difficult. Roads and address information are two primary layers that are kept current because they support the county 911 mapping system.

The County has acquired ArcGIS software from ESRI. Currently no dedicated staff has been hired to utilize the GIS system, but some departments have started to use the existing system. Metadata will be maintained for each layer as it is completed and incorporated into the GIS System. The county continues to work with North Central Wisconsin Regional Planning Commission to assist with their GIS.

B. Progress Report on Ongoing Activities.

Forest County has worked hard over the last few years to try to complete many of the goals from the 2005-2010 Land Records Modernization Plan. One of the major accomplishments is a 98% completion of the digital parcel mapping. Forest County will continue to work on the completion of the county-wide parcel map.

Forest County has also update all address locations and road centerline information. This information is used daily in the county's 911 system.

The Zoning and Register of Deeds offices have both implemented document imaging systems. These systems will be linked to the GIS system via the parcel ID.

Forest County has also contracted with a private vendor to house their GIS data on the web. http://forestwi.mapping-online.com/ForestCoWi/

Forest County has also contracted with a private vendor to house their land records data on the web. http://www.gcssoftware.com/forest/

C. New Initiatives.

1. Proposed Projects

Because of the current workload on existing staff, the County looks to partner with the NCWRPC to complete and maintain the existing GIS data.

Forest County will acquire new orthophotography in the spring of 2010. Through the Wisconsin Regional Orthophotography Consortium (WROC) program.

Forest County will work on placing the digital wetlands and updated floodplains on their GIS internet mapping site. Both may require additional disclaimers on the website.

Forest County will work on creating a building point location layer. This layer can be used by the zoning office and 911 mapping center.

Forest County will work on mapping sanitary districts.

Forest County will work on mapping bridges, culverts, traffic, and road signs as time and budget allows.

Forest County will work on creating a Land Information Council as defined in Senate Bill 507.

2. Assistance requested

a. Forest County is currently lacking the staff to be responsible for the County's GIS. Currently the Register of Deeds is the acting LIO and is in charge of the land records system for the County. With limited time and resources that are available it is difficult for the Register of Deeds to do both jobs. Forest County also has areas of the County that have inadequate hardcopy parcel maps available these areas will need to be addressed. Forest contracts assistance with NCWRPC for help with their GIS.

b. It has been very helpful to the County to obtain WLIP funds and the retained fees to complete the existing projects. Without these funds Forest County's LRMP would not have move forward. The County is always looking for other funding opportunities to limited the appropriating tax levy dollars to modernization of their land records system. The County continues to work with the NCWRPC to maximize their limited resources. By being a member of the NCWRPC the County is able to use the NCWRPC at a very low cost to the County.

c. Forest County provides access to land record data via the county website at the following locations:
http://www.gcssoftware.com/forest/
http://forestwi.mapping-online.com/ForestCoWi/

d. Forest County will look at the statewide GIS repository when it becomes available. At this point it is unknown if the county will participate.

e. Forest County maximizes limited resources by working with the NCWRPC. Forest County also participated in the WROC Program. Forest County continues to look at ways to maximize their limited resources

3. Problems Encountered

Forest County continues to have problems funding a fulltime GIS position at the county. With the county's limited tax base it has been hard to gather support to create this position.

D. Custodial Responsibilities.

The following departments have been identified as potential users and or custodial of land records / GIS data.

Register of Deeds	Highway Department	Land Conservation
Real Property Lister	Sheriff's Department	Forestry Department
Zoning Department	Treasurer	Emergency Government

1. **Forest County maintains or houses the following layers of GIS data:**

Layer	Description	Source
Address	Driveway entrance location	Forest County
Boat Launch	Boat launch location	Forest County
Campgrounds	Campground locations	Forest County
Canoe Access	Canoe access locations	Forest County
Cell Towers	Cell tower Locations	Forest County
County Boarder	County boundary	Forest County
Dams	Dam Locations	DNR
EMS Service	EMS Service Areas	Forest County
Fire Service	Fire Service Areas	Forest County
Floodplain	Floodplain digitized from FEMA panels	NCWRPC
Forty Lines	PLSS Forties	DNR
Functional Class	DOT Functional Class	DOT
High Voltage Power lines	High Voltage Powerlines	ATC
Hwy Shields	Highway Shield locations for maps production	NCWRPC
Land Ownership	General Large Ownership	DNR
Land Use 2000	General Land Use 2000	NCWRPC
Land Use 2005	General Land Use 2005	NCWRPC
Minor Civil Divisions	Town and City Boundaries	Forest County
Parcels	Tax Parcel Boundaries	Forest County
Parks	Park Locations	Forest County
Pipeline	Large Pipelines	DNR
POI	Points of Interest	Forest County
Police Service Areas	Police Service Areas	Forest County
Public Facilities	Location of Public Facilities	Forest County
Railroad	Railroads	Forest County
Rails to Trails	Rails to Trails	DNR
Roads	Road Centerlines	Forest County
School Districts	School Districts Boundaries	Forest County
Signs	Missing signs from address project	Forest County
Slopes	Slopes derived from 30 meter DEM	NCWRPC
Snowmobile Trails 2007	Snowmobile Trails	Forest County
Snowmobile Trails Intersections 2007	Snowmobile Trails Intersections	Forest County
State Natural Areas	State Natural Areas	DNR
Streams	Streams	DNR
Substations	Substation Locations	ATC

Supervisor Districts 2000	Supervisor Districts 2000	Forest County
Trailheads	Trailhead Locations	DNR
Trails	Existing and proposed trails	DNR
Waste Water Treatment Plants	Waste Water Treatment Plant Locations	Forest County
Water	Lake Polygons	DNR
Watersheds	Watershed Boundaries	DNR
Wetlands	DNR Wetland Polygons	DNR

E. Framework Data Systems Implementation and Statewide Standards.

1. Geographic Positioning Reference Frameworks

a. Geodetic control network. Forest County has used the U.S. Geological Survey (USGS) to provide the necessary geodetic control and the Digital Elevation Models (DEM) needed for their orthophotography development.

b. Public Land Survey System. All existing County data is tied to existing PLSS. These control points were obtained from the Wisconsin DNR LandNet. This framework will be used to develop the countywide base map and future map compilations. Existing Digital Raster Graphics (DRG's) will be used as a County coverage's to check the existing PLSS.

2. Orthimagery and Georeferenced Image Base Data

a. Photogrammetric Base Maps. Forest County has the ability to produce photogrammetric base maps from their 2005 digital orthophoto product. Forest County plans to acquire new digital orthophotos in 2010 from the WROC program. These will be produce as needed and as funding is available.

b. Digital Orthophotophography. Forest County currently has 2005 18 inch resolution 1:400 scale color photos through the BLRPC-ECWRPC-NCWRPC Airphoto Consortium. Forest County also has access to the National Imagery Program (NAIP) for the years 2005, 2006, and 2008. Forest County plans to acquire new digital orthophotos in 2010 from the WROC program.

c. Digital Raster graphics (DRG). Forest County currently has acquired all the DRG's for Forest County from the Wisconsin DNR. Forest County will also use the US Topo Maps from the ESRI online Resource Center.

d. Satellite imagery. Forest County will use the free satellite data sets provided on the ESRI online Resource Center.

e. Oblique aerial imagery. Forest County currently does not have any oblique aerial imagery.

f. **Historical aerial imagery.** Forest County as access to aerial imagery from the following years: 1990, 1992, 2005, 2006, & 2008.

3. Elevation Data Products and Topographic Base Data

a. Digital elevation models (DEM). Forest County has acquired the USGS 10 meter and 30 meter DEMs for Forest County from USGS.

b. Digital terrain model (DTM). Forest County has the ability to create a DTM from the existing 10 meter and 30 meter DEM from USGS.

c. Triangulated irregular networks (TIN). Forest County as the ability to create a TIN from the existing 10 meter and 30 meter DEM from USGS.

d. Contours. Forest County currently uses the 10 foot contours from the USGS 24k DRG's

e. LiDAR data. Forest County currently does not have Light Detection And Ranging (LiDAR). Forest County will continue to look for funding and partners to acquire LiDAR.

f. IFSAR data. Forest County currently does not have Interferometric Synthetic Aperture Radar (IFSAR). Forest County will continue to look for funding and partners to acquire IFSAR.

4. Parcel Mapping

a. Parcel maps were not prepared for or are suitable for accurate land tile boundary line or land survey line information. Parcel mapping was design to be a general representation of the taxable parcel. The digital parcel data was not designed or intended to be used as survey information.

b. Parcel maps prepared suitable for planning purposes. The parcels for Forest County are suitable for planning purposes. The parcels were design as a general representation of the taxable parcel.

c. Coordinate system. The parcels maps will be geodetic reference to NAD 83/91. WTM coordinate system in meters.

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d. Parcel ID. Every parcel identified on the cadastral map will have a unique parcel identification number assigned to it. The present County parcel identification number (PIN) does not fully conform to the WLIB parcel numbering system. This number is the key by which computerized tabular data from the Register of Deeds and Treasurer / Tax Lister Office will be linked to the geographic location of the parcel. The parcel ID needs to be modified to meet WLIB parcel numbering system.

Confirm your adherence to standards where applicable. Forest County tries to follow standards when possible. Limited staff and funding sometimes makes it difficult to follow these standards.

5. Parcel Administration and Assessment Information

a. The design and development and implementation of a land information system. Forest County's continues to design a land records system that meets the counties needs. With limited staff and financial resources the county continues to move forward with the modernization of their land records system.

b. Activities associated with modernizing the use of parcel level information once created from and in support of parcel maps:

Parcel ID. The Pin is an attribute in the County's GIS parcel coverage.

Tax data. The tax database is designed so information can be accessed by PIN, owner name, legal description or site address and can be linked to the GIS parcel coverage's.

Site Address. The tax database currently contains a site address for each parcel that has a structure.

Owner Name & Address. The tax database currently contains an owner name and mailing address.

Description / current document pertaining to parcel. The tax database currently contains a general legal description for each parcel.

Document imaging. Forest County currently has document imaging in the Register of Deeds and Zoning offices.

Real estate transactions. The tax database currently does not contain information of real estate transactions.

Easements and restrictions, including conservation easements. The tax database currently does not contain this information.

Tax exempt status. The tax database currently does contain information of tax exempt status.

Zip codes. The tax database currently contains ZIP code information only for the mailing address and not the site address unless they are the. Each address point location in the GIS contains the local ZIP code information.

Assessment classes. Forest County does not currently have assessment classes in their database.

Public lands. The tax database currently does contain ownership information that is capable of accurately mapping ownership.

Liens. The tax database currently does not contain this information.

Evidence of title. The tax database currently does not contain this information.

Confirm your adherence to standards where applicable. Forest County tries to follow standards when possible. Limited staff and funding sometimes makes it difficult to follow these standards.

6. Street/Road Centerline, Address Ranges and Address Points.

a. Transportation network. A complete centerline of all existing public and private roads, railroads, and forest roads has been completed.

b. Rights of way. The right-of-way of public roads will be developed as part of the parcel mapping process. All know right of ways were mapped. Unknown right of ways were estimated to be 66 foot.

c. Centerlines. A complete centerline with addresses ranges has been completed

d. Address ranges. All centerline roads have address ranges base on the county address grid. The address ranges have been adjusted to match ground conditions of local address locations

e. Site address database. A site address database can be acquired from the address points from the 911 system.

f. Address point, structure and or driveway. A point coverage was create by geo-coding the address ranges from the centerline to represent the location of each driveway in the county. These point were then move using the 2005 orthophotos and field check with a GPS to verify the accurate location. No structure locations are currently available.

g. Road names. Road names are included with the centerline database. These road names have been cross check with the 911 MSAG.

h. Functional Class. The functional class system was acquired from the Wisconsin DOT.

i. Places/Landmarks. The county currently has a small database of places and landmarks. This database will be modified as need to assist with the 911 system.

j. Integration with the County's Master Street Address Guide(MSAG). The road centerline database has been crossed checked against the county's MSAG.

k. Ability to support emergency planning, response and mapping. The county is currently using their GIS mapping data in there 911 / dispatch system. The data continues to go through to some more quality control to finds errors.

l. Ability to support wireless 911. The current data is being design so that it can support the county's wireless dispatch/911 system.

7. Hydrography, Hydrology and Wetland Mapping

a. Hydrography. The county currently uses the Wisconsin DNR 24k Hydro coverage.

b. Watersheds. The county currently has watershed boundaries from the Wisconsin DNR.

c. Hydrogeology. The County plans on acquiring these coverage's from the Department of Natural Resources when applicable and budget permits.

d. Impaces on the environment. The County plans on acquiring these coverage's from the Department of Natural Resources when applicable and budget permits.

e. Wetlands Mapping The County uses the original DNR digital wetland coverage. This data is available for all of Forest County.

8. Soil Mapping, Land Cover and other Natural Resource Data

a. Soils mapping activities. Forest County has digital soils survey from the USDA-NRCS. The digital county soil survey was obtained through a 1995 WLIB grant. These maps were created by NRCS using NRCS standards.

b. Land Cover. The county currently has the 1992 WISCLAND land cover database for the Wisconsin DNR.

c. Forests. The County Forest Department has contracted to map all county forest lands.

d. Geology. The County plans on acquiring these coverage's from appropriate sources when applicable and budget permits.

e. Hydrogeology. The County plans on acquiring these coverage's from the Department of Natural Resources when applicable and budget permits.

f. Non-metallic mining. The County Zoning Department has inventoried all non- metallic mining in Forest County except exempt. Forest County will update and maintain it to the county GIS as budget and time permits.

g. Endangered resources. The County plans on acquiring these coverage's from appropriate sources when applicable and budget permits.

h. Impacts on the environment. The County plans on acquiring these coverage's from appropriate sources when applicable and budget permits.

9. Land Use Mapping

a. Mapping of existing land use. Forest County currently has a 2000 generalized and a 2009 land use that was created by the NCWRPC using airphoto interpatation. Local municipalities may continue to work with NCWRPC and private organizations to develop comprehensive plans. These plans will require approval from the Forest County Board of Supervisors and the local municipalities.

b. Mapping of planned land use. Forest County will map planned land use as needed. Forest County is currently working on a county-wide comprehensive plan. These plans will require approval from the Forest County Board of Supervisors and the local municipalities.

10. Zoning Mapping

a. Zoning Districts. The Forest County Zoning Office will create and maintain zoning maps as time and budget permits.

b. Shorelands. Forest County will create shoreland maps as needed.

c. Floodplain and Floodway. The County presently uses the hardcopy FEMA/FHBM maps and a digitized copy of the FHBM maps that was completed by NCWRPC.

d. Environmental corridors. The County currently has no environmental corridors mapped and has no plan in the future to map environmental corridors.

e. Burial sites. The NCWRPC has started to work with the county to map all know cemeteries in the county. Data will be edited as needed.

f. Archeological sites. Forest County will acquire data from the Division of Historic Preservation, Wisconsin Historical Society as needed

g. Historic / cultural sites. Forest County will acquire data from the Division of Historic Preservation, Wisconsin Historical Society as needed

11. Election and Administrative Boundary System

a. Election. All local election wards are mapped based on census block boundaries.

b. Legislative Districts. Forest County plans on acquiring legislative district from the state.

c. Utility Districts. Forest County will map these on as needed basis.

d. School districts. Forest County acquires school districts from the state.

e. Tax incremental financing districts. Currently Forest County has no tax incremental financing districts mapped. Tax incremental financing districts will be mapped as a needed.

f. Agency administrative districts and Zip Codes. A general ZIP code boundary file is available.

g. Census geographics. Forest County has 1990 and 2000 census TIGER files.

h. Civil Division Boundaries. These boundaries were created from the tax parcel layer.

i. Public administered lands. Ownership can be mapped for tax parcels information but is not consistently attributed which makes it hard to map correctly

j. Native American Lands. Ownership can be mapped for tax parcels information, but is not consistently attributed which makes it hard to map correctly

k. County Boundaries. These boundaries were created from the tax parcel layer.

l. State Outline. The county currently has state outline boundary from the Wisconsin DNR.

m. Lake districts. Currently Forest County has no lake districts mapped. Lake districts will be mapped as a needed.

12. Critical Infrastructure and Facilities Management

a. Emergency Service Districts. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

b. 911 call center service areas and center locations. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

c. Fire/Police Districts. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

d. Fire/Police Stations. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

e. Hospitals and healthcare facilities. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

f. Government facilities. Forest County has these mapped for use in the 911 mapping system. These will be update as needed.

g. Utilities. Forest County has these mapped from different sources to be used in the County's Comprehensive Plan.

h. Parks & Recreational Trails. Forest County has these mapped from different sources to be used in the County's Comprehensive Plan and Outdoor Recreation Plan.

i. Transit System. Forest County currently does not have any transit systems.

j. Bridges, culverts, traffic road signs. Forest County currently does not have these mapped. Forest County may map these in the future if they are needed.

k. Airports and airfields. Forest County has these mapped from different sources to be used in the County's Comprehensive Plan.

l. Harbors. Forest County currently does not have any harbors.

m. Boat Landings. Forest County has these mapped from different sources to be used in the County's Comprehensive Plan and Outdoor Recreation Plan.

n. Hazardous material sites. Forest County currently does not have these mapped. Forest County may map these in the future if they are needed.

o. Landfills. Forest County has these mapped from different sources to be used in the County's Comprehensive Plan.

14. Database Design

a. Design Evaluation. Forest County will follow industry-accepted standards for database design and system development. Much of the database design concerning parcel information was developed when the county automated the assessment roll.

b. Project Approach. The GIS database design was created by the NCWRPC. The NCWRPC took the lead on the development of the GIS system for Forest County. The main goal was to provide a GIS system with the basic layers of information at the lowest cost.

c. Timeline. Forest County has no specific timeline. As funds and time become available the county follows the LRMP.

d. Metadata. Basic metadata is created for each layer of data. Metadata will be redefined as time and funds area available.

e. Security / Privacy. No specific security / privacy policy has been developed at this time. As a need develops these will be addressed.

f. Implementation and Maintenance Strategy. Forest County relies on the NCWRPC for implementation and maintenance of the county GIS System.

g. Data quality management. The GIS created by the NCWRPC is check by the county staff. As errors are found the corrections are forwarded to the NCWRPC to be corrected.

h. Needs assessment. The county staff worked as a group on the formation of the LMP. This addresses current county needs and what goals will be completed over the next five years.

i. Data structure and format. All current data is in personal geodatabase format compatible with ESRI software.

j. GIS data model. Forest County currently uses a GIS data model designed by NCWRPC.

k. Data dictionary. A basic data dictionary of all current layers with a general description has been created.

l. Coding schema. Coding schema has been created for each layer of data. ArcGIS layer files have been created based on each coding schema so that each layer can be added and keyed.

m. Transaction management. Forest County currently uses a GIS data model designed by NCWRPC.

n. Organizational information flows. Forest County currently sends parcel, address, road changes to NCWRPC to edit the GIS database

o. Data Conversion. Forest County currently has NCWRPC do all data conversion.

p. Ability to integrate with other databases . Forest County exports the tax database to NCWRPC that integrates it into the County GIS. Forest County also have automate data export to their online vendors.

5. Public Access

a. Use of technology to facilitate access. The County currently has three public access computer terminals available to the public for searching tabular property ownership data. Terminals are located in the Real Property Description and Zoning Offices. The data available from the public access terminals is 'view-only' and is backed up by proper security requirements.

b. Use of 3rd party technology for access. Forest County also provides access to land records information through their website.
http://forestwi.mapping-online.com/ForestCoWi/

c. Data sharing policies. Forest County currently has a formal data sharing policy (see attachment A).

d. Open Access to data in existing format. Forest County adheres to the Wisconsin Open Records Law for access to any land record. Forest County provides a copy of the existing land records data in existing format for the cost of reproduction with a signed agreement of data distribution.

e. Subscription-based or public-facing web services. Forest County currently does not have any subscription-based data services

f. Optional production of customized data on cost-recover or other basis. Forest County directs all requests for customized data products to the NCWRPC that fills the request and charges time and materials.

g. Internet accessibility. Forest County provides access to land records data through the Internet at: http://www.co.forest.wi.gov & http://forestwi.mapping-online.com/ForestCoWi/

h. System Security. Data security is the responsibility of Information Systems Department.

i. Privacy polices. Forest County adheres to the Wisconsin Open Records Law and complies with State statutes for access to restricted records. Forest County will monitor the industry and public concerns related to privacy and distribution of data as the data becomes available.

j. Use of $1 fee designated for land information and housing data Sec.59.72(5)(b)3. Forest County using the $1 fee to provide the information as requested by Sec.59.72(5)(b)3.

G. Integration and Cooperation.

Integrative/Cooperative relationships. Forest County has actively encouraged and supported integration and cooperation activities related to land records modernization. Forest County seeks to develop further relationships with the cities, villages and towns and any neighboring counties that have similar activities. The County plans to continue these relationships as appropriate.

Potential partners/projects. Forest County has worked with many partners, including USDA/NRCS, DNR, WLIB, Forest County Potawatomi Community, USFS, NCWRPC, local towns, and cities. Forest County is also a part of the 2010 Wisconsin Regional Orthophotography Consortium (WROC). Forest County plans to continue using these relationships.

Data shared/used. The digital County data will be shared and used with partnership when it is in the county best interest.

Describe how all county departments benefit from WLIP. All county departments have access to the GIS data created from funding from the WLIP. County department are encouraged to work together to stop the duplication of effort and use the existing data to make better decision and better serve the public.

Describe how municipalities and other agencies benefit from WLIP. Forest County uses their current GIS to help all local municipalities within

the county. They also work the NCWRPC state and federal agencies, and tribal nations.

H. Communication, Education, Training and Facilitated Technical Assistance

a. Documentation of county data, models and processes

Forest County had metadata for GIS layers created by the county.

b. Resources available

Forest County has limited staffing and financial resources and continues to work with NCWRPC to move land records modernization forward in Forest County.

c. Identification of customer needs

Forest County continues to work to meet the needs of taxpayers of Forest County

d. Coordination of education

Forest County works with NCWRPC to provide coordination and education.

e. Use of technology to facilitate

Forest County continues to explore new technology to move land records modernization forward.

f. Use of, or plan to participate in, clearinghouse/repository and land information technical assistance listserv.

Forest County currently participates in the Land information technical assistance listserv. Forest County map participate in clearinghouse/repository of land information if time and budget permits.

g. Use of land information officer education and training funds.

Forest County uses the training funds to train existing staff.

I. Administrative Standards Not Associated With Foundational Elements.

This plan represents an agreement between Forest County and the Wisconsin Land Information Board. This agreement is intended to effectuate the objectives of the Program as embodied in the enabling legislation. Forest County consents as follows:

1. The county agrees to observe and follow the statutes relating to the Wisconsin Land information Program and other relevant statutes, as described in written materials provided by the WLIB.

2. The county agrees to permit the Wisconsin Land Information Board access to books, records and projects for inspection and audit including unannounced audits by the Board.

3. The county agrees to complete the Annual WLIP Survey. The survey will be completed electronically.

4. The county agrees to update their LRMP every five years and in the interim if the plan should change.

5. The county agrees to participate in the voluntary peer review process.

6. The county acknowledges the items laid out in the LRMP and what is expected from the WLIB.