

# Jackson County Land Information Plan

2016-2017-2018



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# EXECUTIVE SUMMARY

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### **Purpose of this document:**

This document is a land information plan for Jackson County, prepared by the Land Information Officer (LIO) with guidance from the Land Information Council. By Wisconsin statute, “a countywide plan for land records modernization” is required for participation in the Wisconsin Land Information Program (WLIP). This document is required in order to be eligible for WLIP grant funding and to keep the permissions of retaining a portion of recording fees taken in by the County’s Register of Deeds Office. This document also serves as a written plan for county land records modernization in order to improve the efficiency of government and provide improved government services to businesses and county residents.

### **History of Jackson County & WLIP:**

The WLIP, administered by the Wisconsin Department of Administration, is funded by document recording fees collected by register of deeds at the county-level. In 2015, Jackson County received \$69,864 in WLIP grants and took in a total of \$31,136 from recording fees for land information in our Register of Deeds Office. Starting in 2016, the WLIP’s new grant known as the “Strategic Initiative Grant” is projected to provide \$50,000 per year as long as the funds are available and the County shows the need for the grant funding.

This plan lays out how funds from grants and retained fees will be prioritized. However, as county budgets are determined on an annual basis with county board approval, this plan provides estimated figures that are subject to change and are designed to serve planning purposes only.

### **Land Information in Jackson County:**

Land Information services play important roles in county operations, as many essential services rely on accurate and up-to-date geospatial (mapping) data and land records. A countywide land information system supports economic development, emergency planning and response, and a host of other citizen services. The Jackson County land information system integrates and enables efficient access to information that describes the physical characteristics of land, as well as the property boundaries and rights attributable to landowners.

### **Mission of the Land Information Department:**

In the next three years, Jackson County’s Land Information Department strives to be recognized for its exceptional web mapping site, gains in governmental efficiencies by broadening the utilization of GIS, improvements in parcel mapping accuracy, and responsiveness to meeting the land records needs of residents and businesses.

### **Land Information Projects:**

To realize this mission, in the next three years, the county land information office will focus on the following projects:

- 1) Format parcel data to meet the required “Searchable Format” and “Export Format” for the State V2 parcel map.
- 2) Research and map unidentified parcels.
- 3) Research and map right-of-way for County Highways, Town Roads, and Railroads.
- 4) Establish a building footprint data layer.
- 5) Integrate improvement assessment data into building footprint GIS layer.
- 6) Countywide integration of tax/assessment data with parcel polygons, besides what ADC is currently providing for mapping site WGXtreme.
- 7) Verify address point placement in efforts to add accurate coordinate attributes.
- 8) Identify rental and owner-occupied residences.
- 9) PLSS remonumentation with survey grade GPS coordinates.
- 10) Upgrade parcel mapping into Parcel Fabric.
- 11) Upgrade the Emergency Management layer to include earthen dams, special facilities, environmental concerns, propane fields, utilities, etc.
- 12) Expansion of the use of mobile GPS/GIS technology.
- 13) Update bridge and culvert data layer.
- 14) Document imaging improvements
- 15) Website development and hosting for improved access to land records

## Current Projects Summary:

### **Reestablishment of PLSS corners and Obtaining GPS coordinates**

#### *Project Description:*

The County Surveyor has hired a County Surveyor Technician to assist with reestablishing and obtaining GPS coordinates on 100% of the County’s PLSS corners. Accurate PLSS corner data provides a precise geographic network to achieve more accurate parcel mapping boundaries. Our current parcel boundary data lacks accurate PLSS corner location information, making it less useful. Assessors, realtors, and property owners will have an improved view of properties and this data will increase efficiency of many departments within the county who need to enforce the County’s ordinances such as the Zoning Department. The end goals are to have 100% monumented PLSS corners with GPS coordinates, tie sheets drawn and mapped for 100% of PLSS corners, and for the tie sheets to be in a searchable digital format with download capabilities.

#### *Project Timeframes:*

Milestone	Duration	Date
Project #1 start	–	March, 2015
Reestablish PLSS corners		Mar 2015–Dec 2018
Draw and map tie sheets	4 months	Jan 2016–Dec 2018
Project Complete	–	Dec 31, 2018

The remainder of this document provides more details on Jackson County and the WLIP, summarizes current and future land information projects, and reviews the County’s status in completion and maintenance of the WLIP map data layers known as “Foundational Elements”.

# CHAPTER 1 – INTRODUCTION

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In 1989, a public funding mechanism was created whereby a portion of county register of deeds document recording fees collected from real estate transactions would be devoted to land information through a new program called the Wisconsin Land Information Program (WLIP). The purpose of the land information plan is to meet WLIP requirements and aid in county planning for land records modernization.

## LAND INFORMATION

Any physical, legal, economic or environmental information or characteristics concerning land, water, groundwater, subsurface resources or air in this state.

'Land information' includes information relating to topography, soil, soil erosion, geology, minerals, vegetation, land cover, wildlife, associated natural resources, land ownership, land use, land use controls and restrictions, jurisdictional boundaries, tax assessment, land value, land survey records and references, geodetic control networks, aerial photographs, maps, planimetric data, remote sensing data, historic and prehistoric sites and economic projections.

- *Wis. Stats. section 16.967(1)(b)*

### The WLIP and the Land Information Plan Requirement:

In order to participate in the WLIP, counties must meet certain requirements:

- Update the county's land information plan at least every three years
- Meet with the county land information council to review expenditures, policies, and priorities of the land information office at least once per year
- Report on expenditure activities each year
- Submit detailed applications for WLIP grants
- Complete the annual WLIP survey
- Subscribe to DOA's land information listserv
- Meet a June 30, 2017 deadline to post certain types of parcel information online

Any grants received and fees retained for land information through the WLIP must be spent consistent with the county land information plan. The *Uniform Instructions for Preparing County Land Information Plans* are designed as a template, but leave flexibility as to how counties may choose to address the minimum plan components. The county is able to include as much detail as necessary to make the planning process useful at the local level.

### *Act 20 and the Statewide Parcel Map Initiative*

A major development for the WLIP occurred in 2013 through the state budget bill, known as Act 20. It directed the Department of Administration (DOA) to create a statewide digital parcel map in coordination with counties.

Act 20 also provided more revenue for WLIP grants, specifically for the improvement of local parcel datasets. The WLIP is dedicated to helping counties meet the goals of Act 20 and has proposed that funding be made available to counties in the form of Strategic Initiative grants to be prioritized for the

purposes of parcel dataset improvement. For Strategic Initiative grant eligibility, counties will be required to apply WLIP funding toward achieving certain statewide objectives, specified in the form of “benchmarks.” Benchmarks for parcel data—standards or achievement levels on data quality or completeness—are determined through a participatory planning process and will be detailed in future WLIP grant applications.

County land information plans were initially updated every five years. However, as a result of Act 20, counties must update and submit their plans to DOA for approval every three years. Thus, the minimum planning horizon for these documents is three years. The plan may incorporate a planning horizon that is longer if the needs and priorities of the participants warrant.

The first post-Act 20 required update deadline for draft county land information plans is December 29, 2015. Final plans are due March 31, 2016.

### *County Land Information Plan Timeline*



### *County Land Information System History and Context*

Since 1999, Jackson County has used WLIP grant funds to upgrade computers, software, servers, plotters, and scanners. This hardware and software was used to digitize documents to integrate them into software for usable data to the public and county staff. A portion of the scanning and indexing of documents was completed by county staff, and the remainder was contracted out to vendors. In 2004, WLIP grant funding was used to parcel map 100% of the County; however not all of the parcels were tied to accurate PLSS corners. The County currently contracts with Applied Data Consultants (ADC) to host the County web mapping site where the public can view parcel data. Without the WLIP grant funds none of this would have possible and Jackson County is very thankful to have received these funds.

**Plan Participants and Contact Information**

Another requirement for participation in the WLIP is the county land information council, established by legislation in 2010. The council is tasked with reviewing the priorities, needs, policies, and expenditures of a land information office and advising the county on matters affecting that office.

According to s. 59.72(3m), Wis. Stats., the county land information council is to include:

- Register of Deeds
- Treasurer
- Real Property Lister or designee
- Member of the county board
- Representative of the land information office
- A realtor or member of the Realtors Association employed within the county
- A public safety or emergency communications representative employed within the county
- County surveyor or a registered professional land surveyor employed within the county
- Other members of the board or public that the board designates

The land information council must have a role in the development of the county land information plan, and DOA requires county land information councils to approve final plans. A record documenting county land information council approval should be included in the final submission of the plan to DOA. County board approval of plans is encouraged but not required.

A county may amend a plan with updates or revisions as appropriate. If amended, a digital copy of the amended plan and record of land information council approval should be sent to the WLIP.

This plan was prepared by the county LIO, the Land Information Council, and others as listed below:

<b>County Land Information Council and Plan Workgroup</b>				
<b>Name</b>	<b>Title</b>	<b>Affiliation</b>	<b>Email</b>	<b>Phone</b>
* Gaylord Olson	County Board Member	Jackson County	gaylordolson@gmail.com	715-984-2261
* Danny Iverson	County Board Member	Jackson County	d_civerson@hotmail.com	715-797-0483
* Shari Marg	Register of Deeds	Jackson County	Shari.marg@co.jackson.wi.us	715-284-0205
* JoAnne Forsting-Leonard	Treasurer	Jackson County	JoAnne.Forsting@co.jackson.wi.us	715-284-0207
* Terry Schmidt	Zoning Administrator	Jackson County	Terry.schmidt@co.jackson.wi.us	715-284-0260
* Jim Zahasky	Forestry and Parks Administrator	Jackson County	Jim.zahasky@centurytel.net	715-284-8475
* Kristina Page	Emergency Management Coordinator	Jackson County	Kristina.page@co.jackson.wi.us	715-284-0263
* Barb Simonis	Realtor	Coldwell Banker River Valley Realtors	bsimonis@coldwellbanker.com	715-284-9055
*April Schoolcraft	GIS Specialist/Real Property Lister/E911 Coordinator	Jackson County	April.schoolcraft@co.jackson.wi.us	715-284-0203
*Tim Jeatran	County Surveyor/LIO	Jackson County	Tim.jeatran@co.jackson.wi.us	715-284-0221

\* Land Information Council Members designated by asterisk

# Chapter 2 – FOUNDATIONAL ELEMENTS

Counties must have a land information plan that addresses development of specific datasets or map layer groupings historically referred to as the WLIP Foundational Elements. Foundational Elements incorporate nationally-recognized “Framework Data” elements, the major map data themes that serve as the backbone required by users to conduct most mapping and geospatial analysis.

In the past, Foundational Elements were selected by the former Wisconsin Land Information Board under the guiding idea that program success is dependent upon a focus for program activities. Thus, the *Uniform Instructions* place priority on certain elements, which must be addressed in order for a county land information plan to be approved. Beyond the county’s use for planning purposes, Foundational Element information is of value to state agencies and the WLIP to understand progress in completion and maintenance of these key map data layers.

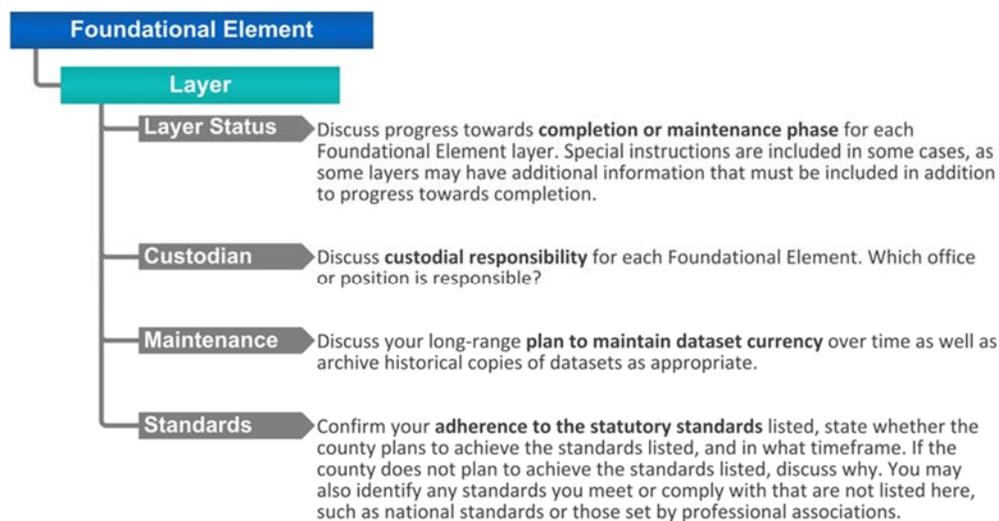
## FOUNDATIONAL ELEMENTS

- PLSS
- Parcel Mapping
- LiDAR and Other Elevation Data
- Orthoimagery
- Address Points
- Street Centerlines
- Land Use
- Zoning
- Administrative Boundaries
- Other Layers

The list of WLIP’s Foundational Elements has evolved with each update of the county land information plan instructions. They are a guideline of what counties need to address in their plans *at a minimum*. As the list of layers in this document is not exhaustive, counties are welcome to insert additional layers for geospatial data categories stewarded by the county or municipalities that are of importance to local business needs.

### Foundational Element Subheadings:

For each layer listed under a Foundational Element, the plan should address: 1) Layer Status, 2) Custodian, 3) Maintenance, and 4) Standards.



# PLSS

## Public Land Survey System Monuments

### PLSS Layer Status

Name	Status/Comments
Total number of PLSS corners (section, ¼, meander) set in original government survey	4,187 corners
Number and percent of PLSS corners that have been remonumented	2,454 corners, 58.6%
Number and percent of remonumented PLSS corners with survey grade coordinates (see below for definition)	754 corners, 31%
Number and percentage of survey grade PLSS corners integrated into county digital parcel layer	200 corners, 5%
Number and percentage of non-survey grade PLSS corners integrated into county digital parcel layer	0 corners, 0%
Percentage of PLSS corners that have digital tie sheets (whether or not they have corresponding coordinate values)	2,406 corners
Digital tie sheets available online? Yes or No	Yes
Approximate number of PLSS corners believed to physically exist based on filed tie-sheets or surveys, but do not have coordinate values	209 corners
Approximate number of PLSS corners believed to be lost or obliterated	491 corners
Total number of PLSS corners along each bordering county	Eau Claire 25 Clark 85 Wood 26 Juneau 13 Monroe 68 La Crosse 20 Trempealeau 74
Number and percent of PLSS corners remonumented along each county boundary	Eau Claire 25 (100%) Clark 85 (100%) Wood 25 (96%) Juneau 13 (100%) Monroe 68 (100%) La Crosse 20 (95%) Trempealeau 74 (100%)
Number and percent of remonumented PLSS corners along each county boundary with survey grade coordinates	Eau Claire 25 (100%) Clark 85 (100%) Wood 25 (96%) Juneau 13 (100%) Monroe 68 (94%) La Crosse 20 (55%) Trempealeau 74 (06%)
Does your county collaborate with or plan to collaborate with neighboring counties for PLSS updates on shared county borders?	Yes

### Custodian

The County Surveyor is responsible for reestablishing PLSS corners and obtaining survey grade coordinates for them. The GIS Specialist is responsible for integrating the PLSS corners into the county digital parcel layer.

### Maintenance

As new PLSS corner tie sheets are completed with GPS coordinates, the GIS layer will be edited to reflect the new coordinates. Currently, PLSS GIS layer updates are adjusted yearly.

### Standards

- Statutory Standards for PLSS Corner Remonumentation  
s. 59.74, Wis. Stats. Perpetuation of section corners, landmarks.  
s. 60.84, Wis. Stats. Monuments.

ch. A-E 7.08, Wis. Admin. Code, U.S. public land survey monument record.  
ch. A-E 7.06, Wis. Admin. Code, Measurements.  
s. 236.15, Wis. Stats. Surveying requirements.

- Wisconsin County Surveyor's Association **survey grade** standard:  
Coordinates collected under the direction of a Professional Land Surveyor, in a coordinate system allowed by s. 236.18(2), and obtained by means, methods and equipment capable of repeatable 2 centimeter or better precision.

## Other Geodetic Control and Control Networks

e.g., HARN, Height Mod., etc.

### Layer Status

- Complete. Maintained as needed. The location of HARN stations and Height Mod stations is shown on the Jackson County web-mapping site: <http://jacksoncowi.wgxtreme.com/>

### Custodian

- The Jackson County GIS Specialist/Real Property Lister/E911 Coordinator maintains the layer.

### Maintenance

- National Geodetic Survey and WI DOT perform field maintenance of the stations with assistance by the Jackson County Surveyor.

### Standards

- Determined by NGS and WI DOT.

## Parcel Mapping

### Parcel Geometries

#### Layer Status

- Complete. Maintained daily. Data can be viewed shown on the Jackson County web-mapping site: <http://jacksoncowi.wgxtreme.com/>

- 100% of parcel boundaries is available in commonly used GIS format

Projection:

Transverse Mercator  
False Easting: 88582.5  
False Northing: 82020.833  
Central Meridian: -90.84429651944444  
Scale Factor: 1.0000353  
Latitude Of Origin: 44.25333512777778  
Linear Unit: Foot US (0.3048006096012192)

Coordinate System:

GCS\_North\_American\_1983\_HARN  
Angular Unit: Degree (0.0174532925199433)  
Prime Meridian: Greenwich (0.0)  
Datum: D\_North\_American\_1983\_HARN  
Spheroid: GRS\_1980  
Semimajor Axis: 6378137.0  
Semiminor Axis: 6356752.314140356  
Inverse Flattening: 298.25722210

- Parcel polygon does not directly integrate tax/assessment data s parcel attributes. However, we have the ability to export a text file data dump from GCS and join that table based on parcel ID field.
- At this time, we plan to implement ESRI's Local Government Information Model once we have obtained accurate GPS coordinates on PLSS corners. We also have considered ESRI's Parcel

Fabric Data Model, but at this time there is only one person editing the parcel data and Parcel Fabric seems a bit time consuming.

**Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator

**Maintenance**

- This layer is updated daily as new data is received

**Standards and Documentation**

- No Data Dictionary

**Assessment/Tax Roll Data**

**Layer Status**

- Complete. Maintained daily. Jackson County uses GCS for assessment software. Each municipality contracts their own assessor for property assessment. The Jackson County GIS Specialist/Real Property Lister/E911 Coordinator and Jackson County Treasurer print the tax bills and distribute them to each municipality. Jackson County contracts with Applied Data Consultants to host WG Xtreme web mapping site; which they created a modeling script to pull overnight ownership and assessment information from GCS and link it to parcel ID field in parcel polygon layer. It can be viewed shown on the Jackson County web-mapping site: <http://jacksoncowi.wgxtreme.com/> This is the method we use to provide this information to the public; there is no assessment polygon layer, nor zoning polygon layer.

**Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator and Jackson County Treasurer enter values from assessors. The Register of Deeds staff and the Deputy Treasurer also have permissions to edit the GCS software data for reasons such as address changes.

**Maintenance**

- As needed by demands of assessors, daily by the Real Property Lister because of splits/parcel adjustments due to recorded documents, and daily by the Register of Deeds staff with straightforward conveyance/ownership documents.

**Standards**

- s. 73.03(2a), Wis. Stats. Department of Revenue (DOR) – Powers and duties defined. Department of Revenue Property Assessment Manual – Chapter 5 and DOR format standard requested by DOR for assessment/tax roll data
- s. 59.72(2)(a), Wis. Stats. Presence of all nine “Act 20” attributes
- s. 59.72(2)(a), Wis. Stats. Crosswalk of attributes

Act 20 Attributes Required by s. 59.72(2)(a)	Field Name(s) in County Land Info System	Notes on Data or Exceptions to DOR Standard
Assessed value of land	Only in GCS	
Assessed value of improvements	Only in GCS	
Total assessed value	Only in GCS	
Class of property, as specified in s. 70.32 (2)(a)	Only in GCS	
Estimated fair market value	Only in GCS	
Total property tax	Only in GCS	
Any zoning information maintained by the county	Only found within the parcel layer as an attribute. Zoning does not have a polygon layer for itself. Field names are: Zone1, Zone2, Zone3, Zone4	Zoning information is not required in DOR schema

Any property address information maintained by the county	“Urban” addresses are assigned by the Municipal Clerk/Administrator, but all addresses are maintained by the GIS Specialist/Real Property Lister/E911 Coordinator as a point layer. The addresses are also added into GCS software to each parcel record.	
Any acreage information maintained by the county	Total acres (deeded acres) and GIS acres (calculated acres)	

## Sanitary Permits and Land Use Permits

### Layer Status

- Complete. Maintained daily. Jackson County Zoning Department has a customized permit tracking application which was created by ProWest Company, and Applied Data Consultants (ADC) pulls from this application and displays all the permitting information per parcel on the WG Xtreme web mapping site: <http://jacksoncowi.wgxtreme.com/>

### Custodian

- Zoning Department

### Maintenance

- Zoning Department and GIS Specialist/Real Property Lister/E911 Coordinator

### Standards

- Jackson County Zoning Ordinance; State of Wisconsin sanitary laws.

## Easements

### Layer Status

- Minimal data. Maintained as needed. The layer is edited as the GIS Specialist/Real Property Lister/E911 Coordinator recognizes an easement on a deed or survey. This polygon layer can be viewed on the WG Xtreme web mapping site: <http://jacksoncowi.wgxtreme.com/>

### Custodian

- GIS Specialist/Real Property Lister/E911 Coordinator

### Maintenance

- GIS Specialist/Real Property Lister/E911 Coordinator

### Standards

- Jackson County Zoning Ordinance; State of Wisconsin easement laws.

## Non-metallic Mining

### Layer Status

- Complete. Maintained as needed. Point layer shows locations of permitted non-metallic mining sites.

### Custodian

- GIS Specialist/Real Property Lister/E911 Coordinator with data received from Jackson County Land Conservationist.

### Maintenance

- As needed.

### Standards

- Unknown

## Land Use Layers (Flood Plain, Existing Land Use, Future Land Use, Shoreland Setback)

### Layer Status

- Complete. Maintained as often as possible. Polygon layers show Shoreland Setback buffer from current bodies of water/streams, Floodplain shows 100YR and 500YR as a derivative from FEMA FIRM maps, Existing and Future land Use data was created as part of Comprehensive Planning Process.

### Custodian

- GIS Specialist/Real Property Lister/E911 Coordinator with data received from FEMA, County Zoning

### Maintenance

- As needed.

### Standards

- Unknown

## ROD Real Estate Document Indexing and Imaging

### Status

- **Grantor/Grantee Index.** All deed documents are indexed by Grantor/Grantee, Township, section and forty. They can be searched for using GCS software.
- **Tract Index.** Jackson County uses tract indexing that is PLSS-based. The index lists most recorded documents associated within that PLSS query such as various types of deeds, certified survey maps, MFL documentation, land contracts, resolutions, vacations, and mortgage documents.
- **Imaging.** All deed documents and certified survey maps have been scanned and are available in digital format internally, and available to the public for a fee via ROD Direct website through ADC's web mapping website.

### Custodian

- County Register of Deeds

### Maintenance

- Daily.

### Standards

- s. 59.43, Wis. Stats. Register of deeds; duties, fees, deputies.
- ch. 706, Wis. Stats. Conveyances of real property; Recording; Titles.

## LiDAR and Other Elevation Data

### LiDAR

#### Layer Status

- Complete. Maintenance not scheduled. Jackson County contracted with Ayres Associates for the 2015 WROC program and has received LiDAR data in November, orthos in December.

#### Custodian

- Ayres Associates and Jackson County GIS Specialist/Real Property Lister/E911 Coordinator

#### Maintenance

- Derivatives of data will be quality checked by users and adjusted as needed working with Ayres Associates.

#### Standards

- WROC 2015; American Society for Photogrammetry and Remote Sensing (ASPRS) Class II standards for the appropriate scale. Bare earth LiDAR meets FEMA vertical accuracy standards.

### LiDAR Derivatives

[Classified LiDAR datasets by tile in .LAS format](#)

[Bare earth LiDAR datasets by tile in .LAS format](#)

2-foot contours by tile in ESRI Shapefile and DWG formats  
Project-wide hydro-flattened breaklines in ESRI shapefile format  
DEM by tile in ESRI GRID format  
DSM by tile in ESRI GRID format  
Intensity images by tile in ESRI GRID format

#### **Layer Status**

- Complete.

#### **Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator.

#### **Maintenance**

- None scheduled.

#### **Standards**

- 2015 WROC and contract, as mentioned above.

## **Orthoimagery**

### **Orthoimagery**

#### **Layer Status**

- Jackson County participated in the 2010 WROC program and obtained 18" resolution orthoimagery which is used on the county web mapping site at <http://jacksoncowi.wgxtreme.com/>
- Jackson County participated in the 2015 WROC program and received 6" countywide 4-band orthoimagery in December of 2015. This will be used on the county web mapping site at <http://jacksoncowi.wgxtreme.com/>
- Jackson County will be considering another orthoimagery flight in 2020.

#### **Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator

#### **Maintenance**

- Jackson County intends to update orthoimagery at least every 5 years.

#### **Standards**

- 2015 WROC program; as listed in the LiDAR Foundational Element section

### **Historic Orthoimagery**

#### **Layer Status**

- Jackson County has digital copies of 1936 for the east half of the county, countywide for 1957, 1965 and 1994. Those copies are not geo-referenced. The Jackson County web mapping site <http://jacksoncowi.wgxtreme.com/> offers orthoimagery for 2010, 2008, 2007 infra-red and 2005.

#### **Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator, and APPLIED DATA Consultants (web mapping host)

#### **Maintenance**

- Intended to be every 5 years

#### **Standards**

- Standards of 2015 project are listed under the LiDAR Foundational Element section. Other standards of remaining products are unknown.

### **Infra-Red Imagery**

#### **Layer Status**

- Complete. 1997 infra-red for the east half of the county and county wide infra-red for the 2015 WROC program in the fall of 2015.

#### **Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator

## Maintenance

- Intended to be every 5 years

## Standards

- Standards of 2015 project are listed under the LiDAR Foundational Element section. Other standards of remaining products are unknown.

# Address Points and Street Centerlines

## Address Point Data

### Layer Status

- Complete. Maintained weekly.

### Custodian

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator with data from “urban areas” who assign their own addresses within their jurisdictions and relay that information to Jackson County GIS Specialist/Real Property Lister/E911 Coordinator.

### Maintenance

- Weekly.

### Standards

- Currently countywide addressing is a grid system based on road ranges. Our addresses are formatted as set by GeoComm and Spillman software. We are not NG911 compliant.

## Building Footprints

### Layer Status

- Does not exist. Jackson County currently does not have building footprints but plans on using data from the 2015 WROC program to create this polygon layer. Initially this may be contracted out but then would be maintained by the Jackson County GIS Specialist/Real Property Lister/E911 Coordinator.

## Street Centerlines

### Layer Status

- Complete based on 2010 imagery. This layer also houses road ranges as a field based on the County’s grid system for addressing.

### Custodian

- GIS Specialist/Real Property Lister/E911 Coordinator

### Maintenance

- As needed.

### Standards

- Unknown.

## Rights of Way

### Layer Status

- Not complete; partial layer.

### Custodian

- Contracted out and GIS Specialist/Real Property Lister/E911 Coordinator

### Maintenance

- As new deeds convey ROW, or when there is available money to contract.

### Standards

- Unknown.

## Trails

### Layer Status

- Bike, hiking, snowmobile and ATV complete based on handheld GPS observations.

### Custodian

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator and Jackson County Forestry Department.

### Maintenance

- As needed.

### Standards

- Unknown.

## Land Use

### Current Land Use

#### Layer Status

- Complete as per 2010 county comprehensive plan.

#### Custodian

- Contractor and GIS Specialist.

#### Maintenance

- As needed and as time allows.

#### Standards

- Unknown.

### Future Land Use

#### Layer Status

- Complete as per 2010 county comprehensive plan.

#### Custodian

- Contractor and GIS Specialist.

#### Maintenance

- As needed and as time allows.

#### Standards

- s. 66.1001, Wis. Stats. Comprehensive planning.  
Future land use maps are typically created through a community's comprehensive planning process. Future land use mapping comes from a network of maps from comprehensive plans adopted by municipalities and the county.

## Zoning

### County General Zoning

#### Layer Status

- Geographic layer doesn't exist. Zoning designation fields are part of parcel attribute table.

#### Custodian

- GIS Specialist.

#### Maintenance

- As needed

#### Standards

- County Zoning ordinance.

## County Special Purpose Zoning

e.g., shoreland, farmland preservation, floodplain, and airport protection

### Layer Status

- None but conditional use permit layer is needed.

### Custodian

- GIS Specialist and Zoning Department.

### Maintenance

- As needed.

### Standards

- Zoning department and county zoning ordinance.

## Municipal Zoning Information Maintained by the County

e.g., town, city and village, shoreland, floodplain, airport protection, extra-territorial, temporary zoning for annexed territory, and/or zoning pursuant to a cooperative plan

### Layer Status

- None.

### Custodian

- 

### Maintenance

- 

### Standards

- 

## Administrative Boundaries

### Civil Division Boundaries

e.g., towns, city, villages, etc.

#### Layer Status

- Complete. (polygons: municipalities) (points: Unincorporated villages) (CSM lots, subdivision plats)

#### Custodian

- GIS Specialist.

#### Maintenance

- As needed.

#### Standards

- Unknown.

### School Districts

#### Layer Status

- Complete but may not be accurate to date.
- Within GCS software each parcel is coded with specific school district code. Schools (points) locations.

#### Custodian

- GIS Specialist and school districts.

#### Maintenance

- As requested.

#### Standards

- Unknown.

### Election Boundaries

e.g., voting districts, precincts, wards, voting places, etc.

#### Layer Status

- Complete. Polling locations, supervisor locations, supervisory districts and wards.

### **Custodian**

- County Clerk and GIS Specialist.

### **Maintenance**

- As needed for redistricting and annexation.

### **Standards**

- Unknown.

## **Utility Districts**

e.g., water, sanitary, electric, etc.

### **Layer Status**

- Town of Brockway sanitary district.

### **Custodian**

- GIS Specialist and Municipality.

### **Maintenance**

- As needed.

### **Standards**

- Unknown.

## **Public Safety**

e.g., fire/police districts, emergency service districts, 911 call center service areas, healthcare facilities

### **Layer Status**

- Complete: Ambulance districts, fire districts, law enforcement districts, emergency service number, shelters (points), emergency zones, fire station (points), first responder districts, properties in floodplain (points), known haz-mat properties, police departments (points), wildfire department districts, communication/radio towers, water points for fire departments, Interstate highway mile marker posts. Special Interest Points: Hospitals, daycare centers, corrections centers, churches, nursing homes.

### **Custodian**

- GIS Specialist and responding agencies.

### **Maintenance**

- As needed.

### **Standards**

- Unknown.

## **Lake Districts**

### **Layer Status**

- None.

### **Custodian**

- 

### **Maintenance**

- 

### **Standards**

- 

## **Native American Lands**

### **Layer Status**

- Complete.

### **Custodian**

- GIS Specialist and Ho Chunk Nation/BIA.

### **Maintenance**

- As needed.

### **Standards**

- Unknown.

## Other Administrative Districts

e.g., county forest land, parks, etc.

### Layer Status

- Complete. County forest, state forest, federal land, state easements, county parks, county mineral rights, county retained hunting and fishing rights.

### Custodian

- GIS Specialist.

### Maintenance

- As needed.

### Standards

- Unknown.

## Other Layers

### Hydrography Maintained by County or Value-Added

#### Layer Status

- Breaklines were provided with the LiDAR data that we have not had time to implement yet.

#### Custodian

- Ayres Associates and GIS Specialist/Real Property Lister/E911 Coordinator

#### Maintenance

- None scheduled.

#### Standards

- Hand digitized by Ayres.

### Cell Phone Towers

#### Layer Status

- Complete.

#### Custodian

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator

#### Maintenance

- As time allows.

#### Standards

- Unknown.

### Bridges and Culverts

#### Layer Status

- Complete but aged.

#### Custodian

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator, and County Highway Department, and Township/Village patrolmen.

#### Maintenance

- Not scheduled.

#### Standards

- Unknown.

### Other

Recycling drop off sites

Cemeteries

POIs

**Layer Status**

- Complete but aged.

**Custodian**

- Jackson County GIS Specialist/Real Property Lister/E911 Coordinator, with data from authorized resources

**Maintenance**

- Not scheduled.

**Standards**

- Unknown.

# Chapter 3 – LAND INFORMATION SYSTEM

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The WLIP seeks to enable land information systems that are both modernized and integrated. Integration entails the coordination of land records to ensure that land information can be shared, distributed, and used within and between government at all levels, the private sector, and citizens.

One integration requirement is listed under s. 16.967(7)(a)(1), Wis. Stats., which states that counties may apply for grants for:

The design, development, and implementation of a land information system that *contains and integrates*, at a minimum, property and ownership records with boundary information, including a parcel identifier referenced to the U.S. public land survey; tax and assessment information; soil surveys, if available; wetlands identified by the department of natural resources; a modern geodetic reference system; current zoning restrictions; and restrictive covenants.

This chapter describes the design of the county land information system, with focus on how data related to land features and data describing land rights are integrated and made publicly available.

# Current Land Information System

## Diagram of County Land Information System

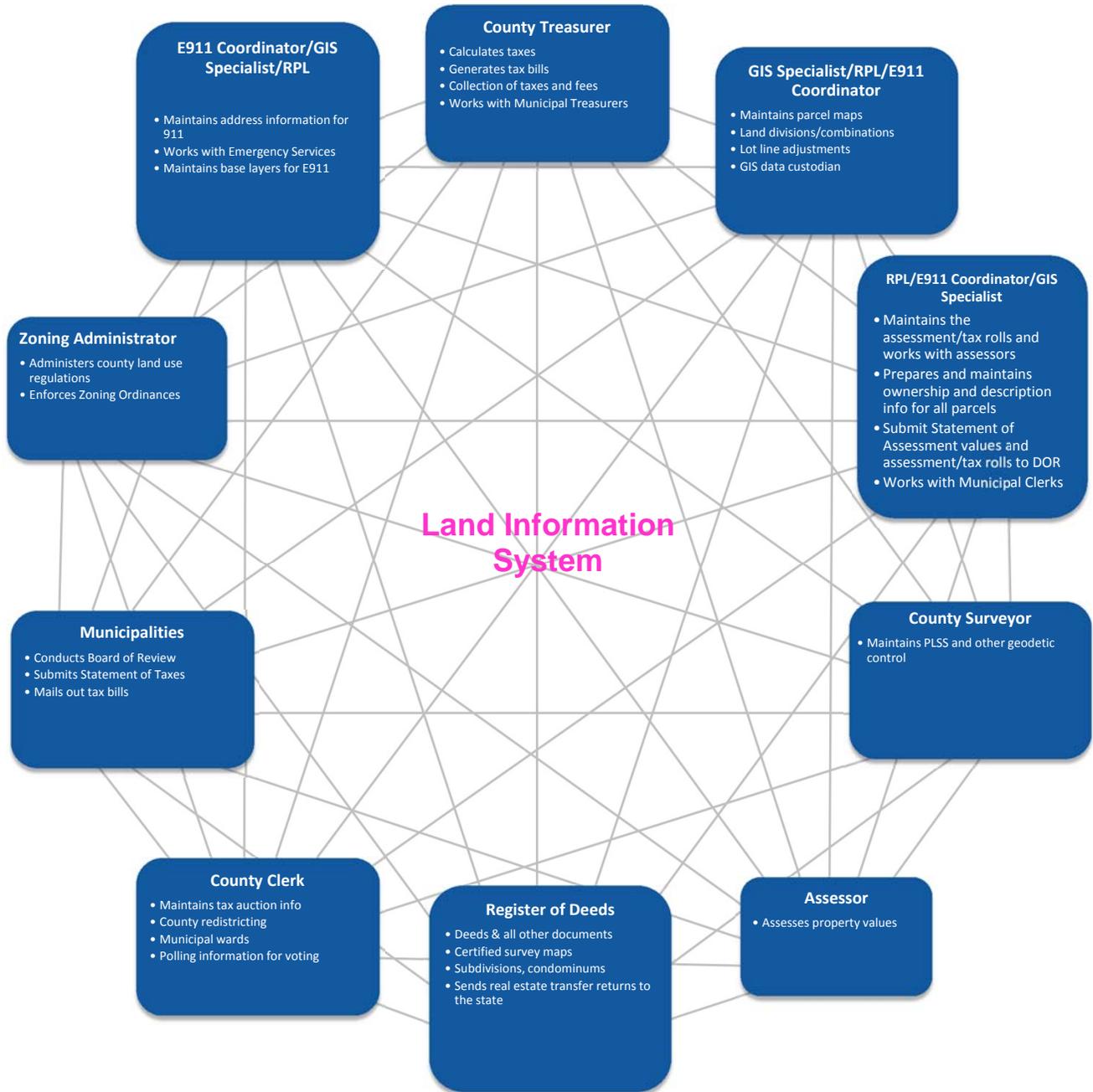


Figure 1. Jackson County Land Information System

## County Parcel Data Workflow Diagram

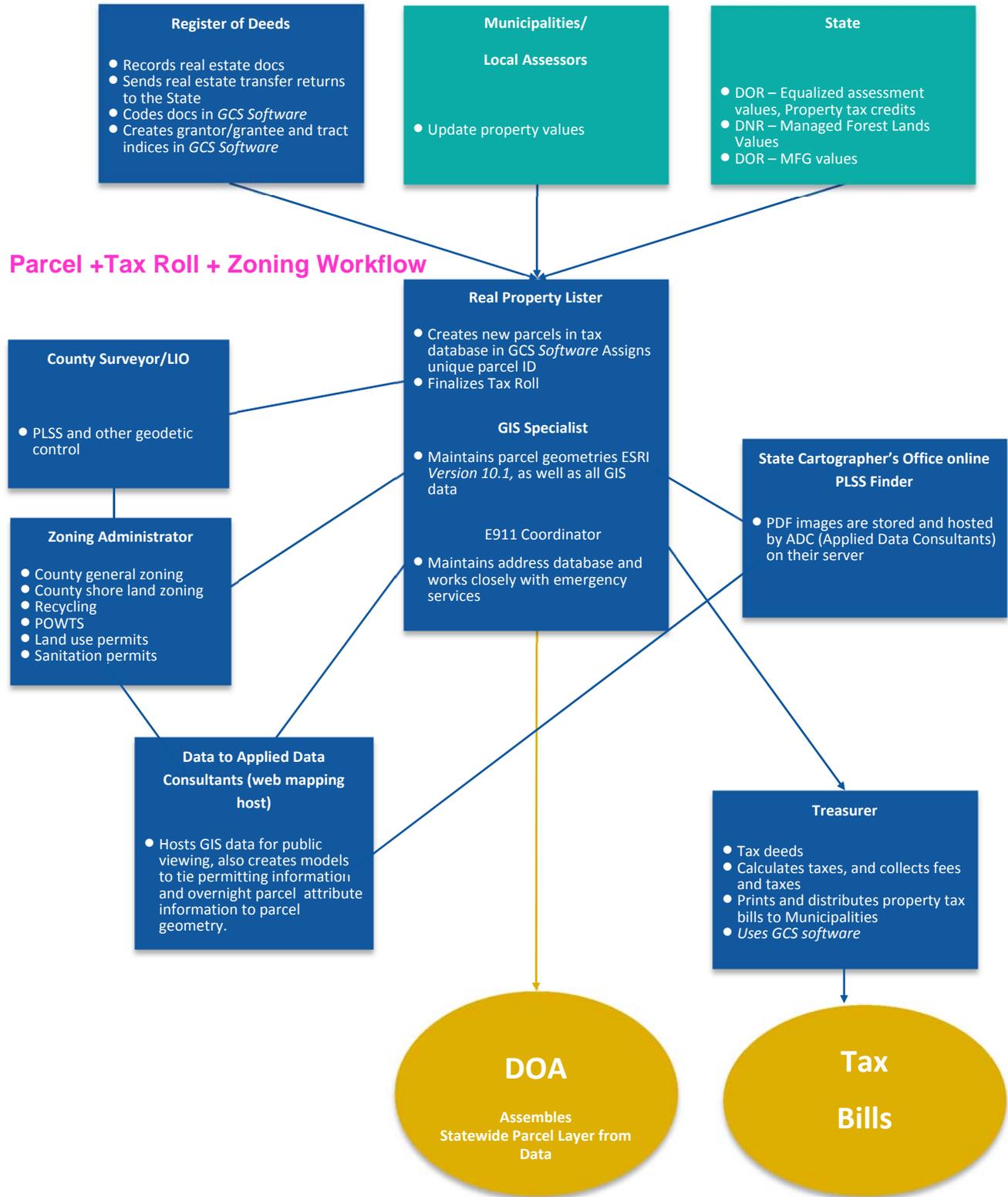


Figure 1. Jackson County Parcel + Tax Roll + Zoning Workflow

## Technology Architecture and Database Design

This section refers to the hardware, software, and systems that the county uses to develop and operate computer systems and communication networks for the transmission of land information data.

Describe the county's land information software, hardware, and website development/hosting services:

### Software

- ESRI ArcGIS 10.1 (GIS software)
- Carlson (CAD software)
- GCS suite (Property Assessment/Document Indexing/Treasurer's Collections)
- Imagemet Paperclip (for viewing digital documents found through Document Indexing)
- Permit Application (created for Jackson County by ProWest)
- Surveyor Application (created for Jackson County by ProWest)
- Microsoft Office Suite
- ColorTract software (scans of the Index records, showing Vol/Pgs with Qtr-Qtrs prior to February 1, 2014)
- Spillman software (dispatching/Law Enforcement)
- GeoComm's GeoLynx software (mapping portion of dispatching/Law Enforcement)
- Adobe Acrobat X Pro (for combining documents into one PDF to view online)
- Cloudberry (to use with AWS S3)

### Hardware

- Printers
- Plotters
- Scanners
- Survey equipment
- Computers with networking capabilities to shared drives, to burn data to CD/DVD, and connections to other hardware
- Monitors (two monitors for every computer is very useful)
- Large format scanner

### Website Hosting Services

- ProWest (for Surveyor and Permitting applications)
- GCS (pushes data through from County to Municipalities)
- Applied Data Consultants (ROD Direct & WG Xtreme web mapping site)
- Amazon Web Services Simple Storage Service (AWS S3) for LiDAR storage and distribution

Costs associated with ongoing technology expenditures or projected expenditures can optionally be listed in Chapter 4. As a reminder, the annual "County Retained Fee/Grant Report" due to DOA at the end of the state fiscal year on June 30<sup>th</sup> provides detailed information on expenditures.

### *Metadata and Data Dictionary Practices*

There seems to be metadata for some of the Jackson County GIS data; however it doesn't seem to have any standard besides the fields which ArcCatalog provides, which are only partially completed. There doesn't seem to be any documented standards that can be found. The current GIS Specialist/Real Property Lister/E911 Coordinator was hired September 2014, and hasn't found any documentation yet. At this time, there is no process for metadata creation or maintenance.

### *Municipal Data Integration Process*

No municipalities create or maintain their own GIS data. The County is the current custodian for all the municipalities within the County. The Villages and City is responsible for assigning and maintaining their

own addresses within their jurisdiction, but the information is conveyed to the County’s GIS Specialist/Real Property Lister/E911 Coordinator, and then integrated into the GIS. Each municipality is responsible for hiring their own assessor and facilitating Open Book and Board of Reviews, but the County’s GIS Specialist/Real Property Lister/E911 Coordinator is responsible for preparing, distributing, and maintaining the assessment and tax roll information, and also submitting the Statement of Assessment to the State Department of Revenue. Some municipalities use GCS, but mostly for collection of taxes; they receive all their digital files from the County and GCS software automatically updates their software and also pushes a few collection files to their computers.

### Public Access and Website Information

Type of Website	Software or App	3 <sup>rd</sup> Party or Contractor	URL	Update Frequency/Cycle
GIS web mapping site	ADC Web Host “WG Xtreme”	Offsite hosting	<a href="http://jacksoncowi.wgxtreme.com/">http://jacksoncowi.wgxtreme.com/</a>	Weekly
ROD land records search tools	ADC for live parcel searches; ROD Direct for online document searches	Offsite hosting	<a href="http://jacksoncowi.wgxtreme.com/">http://jacksoncowi.wgxtreme.com/</a> <a href="http://jacksonwi.rodirect.com/">http://jacksonwi.rodirect.com/</a>	Daily
RPL or tax parcel site	ADC Web Host “WG Xtreme”	Offsite hosting	<a href="http://jacksoncowi.wgxtreme.com/">http://jacksoncowi.wgxtreme.com/</a>	Weekly
Zoning information (PDF or WebApp format)	Pro West permitting app & ADC Web Host “WG Xtreme”	Software Developers/ Offsite hosting	<a href="http://jacksoncowi.wgxtreme.com/">http://jacksoncowi.wgxtreme.com/</a>	Weekly
PLSS tie sheets	ADC Web Host “WG Xtreme” and State Cartographer’s PLSS Finder	Offsite hosting	<a href="http://jacksoncowi.wgxtreme.com/">http://jacksoncowi.wgxtreme.com/</a> <a href="http://www.sco.wisc.edu/">http://www.sco.wisc.edu/</a>	Monthly
Other				

## Data Sharing

### Data Availability to Public

Jackson County provides digital data to the public upon request. There is a fee schedule which is determined by our Land Information Council, and a use agreement/disclaimer is required. On our web mapping site, the user needs to “agree” to the disclaimer prior to entering and using the website.

### Data Sharing Restrictions

The disclaimer information can be found within the Data Share Agreement (usually no charge to customer), and the Digital Data Agreement (client pays fee for data). These forms and the fee schedule are available on the Jackson County official web site <http://www.co.jackson.wi.us/>. The restrictions state that:

***“Reproduction or redistribution of Digital Datasets or products derived therefrom outside of Licensee’s organization or entity, without the express written consent of the County, is forbidden except as expressly provided as follows:***

- 1. Redistribution of Digital Datasets to a consultant working for the Licensee is permitted only for purposes related to the Licensee’s business. Such consultants may not further reproduce or redistribute said Digital Datasets and such copies must be returned to Licensee upon completion of the consultant’s work. Licensee must inform any third party Digital Dataset user of all stipulations herein.***
- 2. Reproduction or redistribution of hard copies may be derived from Digital***

***Datasets provided they are used for non-commercial purposes only. Any sale distribution is prohibited without prior approval from Jackson County. The reproduction of any hard copy products, as provided by the County, with the intent to sell for a profit is prohibited without the written consent of Jackson County.”***

### ***Government-to-Government Data Sharing***

Data requests for the benefit of the public and non-profit are not charged unless there is a cost for data storage devices. Use agreements are signed.

### ***Training and Education***

The Jackson County Surveyor/LIO and GIS Specialist/Real Property Lister/E911 Coordinator attends the Wisconsin Land Information Association (WLIA) annual conference and at least one of the regional meetings.

The County Surveyor/LIO attends the Wisconsin Society Land Surveyors (WLSL) annual conference and Wisconsin County Surveyor Association (WCSA) meetings.

The GIS Specialist/Real Property Lister/E911 Coordinator attends the Wisconsin Real Property Listers Association (WRPLA) annual conference and regional conference. ESRI trainings, the EWUG conference and Emergency management trainings are attended if time permits.

The Jackson County Zoning Administrator and Zoning Technician attend the Wisconsin County Code Administration (WCCA) spring and fall conferences.

The Jackson County Register of Deeds attends The Wisconsin Register of Deeds Association (WRDA) annual conference and regional conference.

Jackson County tries to stay informed on land information requirements and needs by attending conferences and any other trainings that are beneficial for land information.

# CHAPTER 4 – CURRENT & FUTURE PROJECTS

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This chapter lists the current and future land information projects the county is currently undertaking or intends to pursue over its planning horizon. A project is defined as a temporary effort that is carefully planned to achieve a particular aim. Projects can be thought of as the means to achieving the county’s mission for its land information system.

## Project #1: Reestablish PLSS corners and obtain GPS coordinates

### Project Description/Goal

Hired a County Surveyor Technician to help reestablish PLSS corners and obtain GPS coordinates. This will help to achieve more accurate parcel mapping boundaries.

### Business Drivers

- Parcel boundary data lacks accurate location information, making it less useful
- Assessors, realtors and property owners will have a better more accurate view of properties
- Increase efficiency of Zoning Department with accurate parcel boundaries
- More accurate parcel boundaries will help assist E911 services

### Objectives/Measure of Success

- 100% monumented PLSS corners with GPS coordinates
- Tie sheets drawn and mapped for 100% PLSS corners
- Tie sheets in a searchable format for download capabilities

### Project Timeframes

Milestone	Duration	Date
Project #1 start	–	March, 2015
Reestablish PLSS corners		Mar 2015–Dec 2018
Draw and map tie sheets	4 months	Jan 2016–Dec 2018
Project Complete	–	Dec 31, 2018

### Responsible Parties

County Surveyor and County Surveyor Technician

### Estimated Budget Information

See table below, page 34.

# Project #2: Hire a GIS Technician to assist with reformatting and improving digital parcel data

## Project Description/Goal

Hire a GIS Technician to help reformat and improve parcel GIS data, and meet benchmarks 1 & 2 of the V2 Statewide Parcel Map. Research and map unidentified parcels and problem areas within the county. Upgrade the current parcel boundaries once accurate PLSS coordinates are obtained.

## Business Drivers

- Meet the benchmarks for the Statewide Parcel Map.
- Improve accuracy of parcel boundaries
- Resolve unidentified parcels
- Increase efficiency of Zoning Department with accurate parcel boundaries
- Highway Department and Municipalities have the need for improved Right-of-way boundaries for roads within the county.

## Objectives/Measure of Success

- Meet state benchmark deadlines for searchable parcel data
- Improve accuracy of parcel map
- Assign parcel numbers to all unidentified parcels; adding to tax roll where appropriate.
- Assign parcel numbers to road right-of-ways so we are able to index track which document records relate to which portions of road ROW. This is important for quick reference when reconstructing a road.

## Project Timeframes

Milestone	Duration	Date
Project #2 start	–	Feb, 2016
Meet benchmarks for V2	2 months	Feb 1 – Mar 31 2016
Meet benchmarks for V3	12 months	April 1 2016 – March 31 2017
Project Complete	–	March 31 2018

## Responsible Parties

GIS Specialist/Real Property Lister/E911 Coordinator and GIS Technician for most of this project.

## Estimated Budget Information

See table below, page 34.

# Project #3: Hire ProWest to improve Road Right-of-Way GIS data

## Project Description/Goal

Improve Road Right-of-way data. The current data is pieced together from deeds found on conveyance documents as well as recorded surveys. Some Road ROWs are not mapped per segment of conveyance and many do not have assigned parcel numbers, making it difficult to track down relevant documents. Road ROW can vary from segment to segment, and that information is important to define jurisdiction during maintenance and reconstruction of roads.

## Business Drivers

- Highway Department and Municipalities have the need for improved Right-of-way boundaries for roads within the county.

## Objectives/Measure of Success

- Assign parcel numbers to Road ROW segments
- Give ROW size within parcel attribute

## Project Timeframes

Milestone	Duration	Date
Project #3 start	–	Feb, 2015
Project Complete	–	Dec 31, 2018

## Responsible Parties

ProWest will be contracted to build this data.

GIS Specialist/Real Property Lister/E911 Coordinator will incorporate this ROW data into parcel GIS layer and also into GCS software.

## Estimated Budget Information

See table below, page 34.

# Project #4: Countywide integration of tax/assessment data with parcel polygons

## Project Description/Goal

Meet data schema for parcel layer as determined by the benchmarks of V2 project.

## Business Drivers

- Benchmarks of V2

## Objectives/Measure of Success

- Data formatted into data schema determined by the V2 project

## Project Timeframes

Milestone	Duration	Date
Project #4 start	2 months	March 1, 2016
Project Complete	-	May 31, 2017

## Responsible Parties

GIS Specialist/Real Property Lister/E911 Coordinator, the new GIS Technician which will be hired by Strategic Initiative Grant funding, some assistance from GCS software company, and SCO assistance if available.

## Estimated Budget Information

See table below, page 34.

## Project #5: Training and Education

### Project Description/Goal

Continue education of Land Information Council members in program and technology changes. Professional development opportunities include conference presentations and workshops such as but not limited to:

WLIA (Wisconsin Land Information Association)  
EWUG (ESRI Wisconsin User Group)  
WCSA (Wisconsin County Surveyors Association)  
WLSL (Wisconsin Society of Land Surveyors)  
WCTA (Wisconsin County Treasurers Association)  
WRPLA (Wisconsin Real Property Listers Association)  
WRDA (Wisconsin Register of Deeds Association)

Impacts Foundational Elements: Not associated with a specific element.

### Business Drivers

- Continually changing technology
- Continually changing administrative programs

### Objectives/Measure of Success & Project Timeframes

Milestone	Duration	Date
activity report	1 year	Jan. 1 - Dec. 31, 2016
activity report	1 year	Jan. 1 - Dec. 31, 2017
activity report	1 year	Jan. 1 - Dec. 31, 2018

### Responsible Parties

Educators (50%), LIC members (50%)

### Estimated Budget Information

See table below, page 34.

## Estimated Budget Information

Project	Item	Unit Cost	Cost	Total Project Cost
1. Reestablish PLSS corners	a. County Surveyor technician position	Salary including benefits; 92% of \$66,880	Per year \$61,256	<b>\$61,256</b>
2. Reformat and improve parcel data	a. GIS Technician position	Salary including benefits	Per Year \$60,000	<b>\$60,000</b>
3. ProWest	a. GIS & research contracting for Road Right-of-ways	\$22,420	\$22,420	<b>\$22,420</b>
4. Countywide Integration of tax/assessment data with parcel polygons	a. GIS Specialist/Real Property Lister/E911 Coordinator	\$10,000	\$10,000	<b>\$10,000</b>
5. Training and Education	Annual conference attendance	\$1,000	\$1,000	<b>\$1,000</b>
<b>GRAND TOTAL</b>				<b>\$154,676</b>

Note. These estimates are provided for planning purposes only. Budget is subject to change.

## Project Plan to Achieve Searchable Format (Benchmarks 1 & 2)

### Project Description/Goal

#### How searchable format will be met

- Jackson County plans to use the yearly \$50,000 to hire and support a full-time GIS Technician to format all GIS data required into the mandatory V2 data schema. The GIS Specialist/Real Property Lister/E911 coordinator was hired new in September 2014 and does not have much time to dedicate to this project at this point; the new GIS Technician will do most of the work towards clean up GIS data to reach the goal of searchable format, eventually, by using ArcToolbox tools & expertise provided from the SCO. At this point, the County may have two geodatabases; one production database to be used internally, and one formatted database to be used specifically for the V2 project. Currently the county is very close to reaching Export Format XML-join model.

### Business Drivers

The *Project Plan to Achieve Searchable Format for Benchmarks 1 & 2* is a requirement for Strategic Initiative grant eligibility.

The State DOR wants tax roll information submitted in XML format; Jackson County is not able to do that yet. That standard may be met with the attribute data of tax parcel records in GCS; which will be done by a combination of work from the GIS Specialist/Real Property Lister/E911 Coordinator, the new GIS Technician, and GCS Software Company.

Formatting geographic and record data may make the data easier to use with dispatching/CAD/E911 software currently used by Jackson County; Spillman's Sentryx software and GeoComm's GeoLynx software.

### Objectives/Measure of Success

The objective is to meet the searchable format for Benchmarks 1 & 2 (Parcel and Zoning Data Submission, Extended Parcel Attribute Set Submission) by March 31, 2017.

### Project Timeframes

Start will be the week after the GIS Technician is hired, and will hopefully be completed by March 31, 2017.

### **Responsible Parties**

GIS Specialist/Real Property Lister/E911 Coordinator, the new GIS Technician which will be hired by Strategic Initiative Grant funding, some assistance from GCS software company.

### **Estimated Budget Information**

See table on page 34 for project 1 & 4. Guessing that Benchmark 1 & 2 will be closer to completion if projects 2 & 4 are successful.

## Project Plan for Parcel Completion (Benchmark 3)

### Project Description/Goal

#### Current status of parcel data

100% of parcels are in digital GIS format. As of December 2015, the County has 27,359 parcels. However, some of these parcels do not have a tax ID number assigned to them because the ownership information is “unknown”, and some parcels are “problems” because of unclear legal descriptions in conveyance documents. In order to resolve these issues, title research and corrections may be needed which also may take more time, effort, and resources (meaning possibly contracting services) than the grant can offer.

#### Goals

To continue improving the geographical and attribute accuracy of the parcel layer based on PLSS remonumentation, acquisition of GPS coordinates of those monuments, and researching last known owners.

#### Planned approach

PLSS first; then adjusting (or rebuilding) parcel layer from those monuments.

Note. PLSS first approach is an option. Some counties have a plan in place to complete PLSS remonumentation before completing the parcel fabric in a given area. Counties have the option of adopting a “PLSS first approach,” subject to a number of prioritization rules detailed in the *V1 Interim Report*. If selecting a PLSS first approach, note this in the *Project Plan for PLSS*, described below. (See note in PLSS Plan below.)

### Business Drivers

The *Project Plan for Parcel Completion* is a requirement for Strategic Initiative grant eligibility.

Unknown parcels will be added to tax roll, and parcel boundary problems will hopefully be resolved; clearing up title for owners and also adding to the valuation of the County.

### Objectives/Measure of Success

The objective is to meet Benchmark 3 (Completion of County Parcel Fabric) to the best of our ability by 2018.

### Project Timeframes

Start time is ongoing, the County staff such as GIS Specialist/Real Property Lister/E911 Coordinator, County Surveyor, Treasurer, ROD staff, and Zoning staff, are working with parcel data daily; and parcel corrections are made weekly at minimum. This type of project shouldn't have an ending date since documents and surveys are recorded every day; the parcel layer is never “done”.

### Responsible Parties

GIS Specialist/Real Property Lister/E911 Coordinator, new GIS Technician hired with Strategic Initiative Grant funding, County Surveyor, Zoning staff, ROD staff, Treasurer.

### Estimated Budget Information

See table, page 34; much of this project is also covered by the work dedicated to meeting benchmarks 1 & 2.

## Project Plan for PLSS (Benchmark 4)

### Project Description/Goal

#### Planned approach

Jackson County has hired a County Surveyor Technician using WLIP Base Budget funds to assist the County Surveyor in reestablishing and remonumenting PLSS corners with survey grade coordinates. The Wisconsin Coordinate Reference Systems (WISCRS) – Jackson County is used for coordinates. The WISCRS parameters are for use with the GRS 80 ellipsoid and the adjustment used is NAD 83 (91). The survey grade coordinates for PLSS corners will be integrated into the parcel fabric by the County GIS Technician or a contracted vendor.

#### Current status

There are 4,187 PLSS corners in Jackson County and approximately 800 of these corners are in a remote area of state and county land. Currently there are 754 PLSS corners with survey grade coordinates for them.

#### Goals

Jackson County plans to remonument 100% of the PLSS corners with survey grade coordinates and integrate them into the parcel fabric.

#### Missing corner notes

Some PLSS corners may fall in a body of water or other area that may not be suitable for setting a monument. In this case a survey grade coordinate with references will be used for that corner. There are approximately 800 PLSS corners that are in state or county owned land. These corners will not be completed until all of the corners in the more populated areas are done.

#### County boundary collaboration

Jackson County plans on sharing our PLSS data and tie sheets with neighboring counties.

### Business Drivers

The *Project Plan for PLSS* is a requirement for Strategic Initiative grant eligibility.

Surveyors, Assessors, Realtors, property owners, Zoning department, Highway department and anyone working on future development are some of the business drivers that would benefit from this project.

### Objectives/Measure of Success

The objective is to meet Benchmark 4 (Completion and Integration of PLSS) by December 2018.

Jackson County has started surveying the county boundary in March of 2015 and currently are 65% complete with the field work.

### Project Timeframes

Jackson County has started surveying the County boundary in March of 2015.

### Responsible Parties

The County Surveyor and County Surveyor Technician will be responsible for PLSS corner remonumentation with survey grade coordinates. The GIS Specialist, GIS Technician and possibly a vendor will be responsible for integrating the PLSS corners into the parcel fabric.

### Estimated Budget Information

WLIP Base Budget Grant funds and WLIP Strategic Initiative Grant funds will be used to complete this project.