



GREEN LAKE COUNTY

571 County Road A, Green Lake, WI 54941

Original Post Date: 07/05/17

Amended* Post Date:

**The following documents are included in the packet for the
Land Information Council on July 10, 2017:**

- 1) Agenda
- 2) Draft minutes from the 04/11/17 and 05/02/17



GREEN LAKE COUNTY LAND INFORMATION COUNCIL

571 County Road A., P.O. Box 3188

Green Lake, WI 54941-3188

Land Information Council Meeting Notice

Date: July 10, 2017 Time: 1:00PM

*Green Lake County Government Center,
Committee Room, 571 County Rd A, Green Lake WI*

**Amended AGENDA*

Committee Members

*Harley Reabe
Sarah Guenther
Elizabeth Otto
Amanda Toney
Bob Schneider
Paul Gunderson
Mark Podoll
Gerald Stanuch
Don Lenz*

*Elizabeth Otto,
Secretary*

1. Call to Order
2. Pledge of Allegiance
3. Certification of Open Meeting Law
4. Agenda
5. Land Use Planning and Zoning Director Appointment
6. Minutes 04/11/17 and 5/2/17
7. Public Comments (3 Min. Limit)
8. Correspondence
9. Fee Schedule for Public Access of Documents
10. Land Information Officer Report
 - *2018 Budget
 - Update on Grant Projects
 - *LiDAR project
11. *Emergency Services Atlas
12. *Upgrade County Surveyor's CAD Software
13. Resolutions/Ordinances
14. Training/Education
15. Future Council Activities
 - Future Meeting. Dates:
 - Future Agenda items for action & discussion
16. Adjourn

Kindly arrange to be present, if unable to do so, please notify our office. Sincerely, Elizabeth Otto

Please note: Meeting area is accessible to the physically disabled. Anyone planning to attend who needs visual or audio assistance, should contact the County Clerk's Office, 294-4005, not later than 3 days before date of the meeting.

**GREEN LAKE COUNTY
LAND INFORMATION COUNCIL
April 10, 2017**

The meeting of the Land Information Council was called to order by Harley Reabe at 1:00 PM on Monday, April 10, 2017 in the UWEX Training Room, Green Lake County Government Center. The requirements of the open meeting law were certified as being met. The Pledge of Allegiance was recited.

Present: Harley Reabe Sheriff Mark Podoll Amanda Toney Also present: Bill Hutchison
 Sarah Guenther Paul Gunderson Gerald Stanuch Stefanie Meeker
 Liz Otto Bob Schneider Don Lenz

APPROVAL OF AGENDA

Motion/second (Gunderson/Lenz) to approve the agenda. All ayes. Motion Carried.

COMMITTEE APPOINTMENTS PER STATUTE - None

APPROVAL OF MINUTES FROM January 9, 2017

Motion/second (Guenther/Schneider) to approve the minutes from the January 9, 2017 meeting. All ayes. Motion carried.

PUBLIC COMMENTS – None

CORRESPONDENCE – None

APPEARANCES

Steve Moore gave a presentation on the treasurer's module of the Transcendent software. Kristy Wurzer and Leah Drewoff were also present to answer questions. Moore showed the public access option, generating tax bills and receipts, interface functions, and processing CSM's.

LAND INFORMATION OFFICER REPORT - None

RESOLUTIONS/ORDINANCES – None

TRAINING/EDUCATION – None

FUTURE COUNCIL ACTIVITIES

Future Meeting Dates: July 10, 2017 at 1:00 PM

Future Agenda items for action & discussion: appointment of Land Use Planning & Zoning Director to the Council, fee schedule for public access of documents

ADJOURNMENT

Chairman Reabe adjourned the meeting at 2:40 PM. Motion carried.

Submitted by:

Liz Otto
County Clerk

BUDGET REQUEST - 2018

DEPARTMENT: LAND INFORMATION OFFICE

COMMITTEE: LAND INFORMATION COUNCIL

EXPENSES

ACCOUNT NUMBER	DESCRIPTION	2017 BUDGET	2018 REQUESTED
17-100-20-51711-240-000	WLIP Base Grant Projects	75,000.00	75,000.00
17-100-20-51711-246-000	WLIP Education Grant	1,000.00	1,000.00
17-100-20-51711-120-000	GIS Specialist Wage Contribution *	25,000.00	25,000.00
17-100-20-51711-301-000	WLIP Strategic Grant	50,000.00	50,000.00
	3DEP LiDAR Grant		50,000.00
		151,000.00	201,000.00

	2017	2018
Total Proposed Budget:	151,000.00	201,000.00
Total Offsetting Revenues:	151,000.00	201,000.00
Total from County Tax Levy:	0.00	0.00
Increase (Decrease)	0.00	0.00

*Funds for this expense items are retained fees collected by the Register of Deeds. The history of this contribution dates back to 1995.

BUDGET REQUEST - 2018

DEPARTMENT: LAND INFORMATION OFFICE

COMMITTEE: LAND INFORMATION

REVENUE

ACCOUNT NUMBER	DESCRIPTION	2017 BUDGET	2018 REQUESTED
17-100-20-43691-000-000	WLIP Base	75,000.00	75,000.00
17-100-20-46131-000-000	*County Land Records	25,000.00	25,000.00
17-100-20-43691-301-000	WLIP Education Grant	1,000.00	1,000.00
17-100-20-43691-301-001	WLIP Strategic Grant	50,000.00	50,000.00
	3DEP LiDAR Grant		50,000.00
		151,000.00	201,000.00

*Retained fees revenue - Interdepartmental transfer to Planning & Zoning for GIS Specialist wages. This transfer shall apply for funds retained under \$35,000. Funds at or above this amount shall be transferred to the restricted fund for land information projects.



Wisconsin Land Information Program County Retained Fee/Grant Report

Instructions:

If your county has accepted a grant under s. 16.967(7) WIS STATS or retained any fees under s.59.72 (5) WIS STATS, submission of this report to the Wisconsin Department of Administration, Division of Intergovernmental Relations is required by June 30th of the following year in accordance with s. 59.72(2)(b) WIS STATS.

County GreenLake	County FIPS 047	Recording Period:		
		From	Jan. 1, 2016	To
			Dec. 31, 2016	
Name of Land Information Officer Gerald Stanuch		Email Address gstanuch@co.green-lake.wi.us		Phone Number 920-294-4174

1. Amount received in WLIP grants under s. 16.967(7) Wis. Stats. in the reporting period (Jan. 1 – Dec. 31, 2016)	\$ 122,912.00
2. Amount of document recording fees retained under s. 59.72(5) Wis. Stats. for land information in the reporting period at \$8 per document (Jan. 1 – Dec. 31, 2016)	\$ 30,680.00
3. Total amount of grants and retained fees provided through the WLIP in 2016	\$ 153,592.00

Brief narrative or bulleted summary of 2016 land information activities, including relevant web-links:

Green Lake County's land records modernization continues to move forward. The funds from County retained fees has allowed in-house work by the GIS Specialist to continue digital parcel mapping. The parcel mapping is now in an ongoing maintenance mode including integration of re-established PLSS (Public Land Survey System) corners.

The WLIP Grant funds were used in 2016 to re-establish PLSS corners that have been unidentified for many decades. These PLSS corners provide the foundation for accurate digital parcel mapping.

Grant funds were also used for a project in the Register of Deeds Office to scan document tract index books. The outcome of this project is the availability of these books to the public through the County's website. <http://greenlake.colortract.com/>

Permit tracking software was purchased to provide public access to permit information related to parcels. <https://ascent.co.green-lake.wi.us/PermitManagement/Permit/Permit>

Website development and maintenance is an on-going process. A new gallery format is being developed to improve user ease of access to the new Register of Deeds online tract index, new permit tracking application, downloadable land information data, and other existing applications. <https://gis.co.green-lake.wi.us/gisweb/gallery/>

Education and Training Grant funds continue to be used for a variety of opportunities that benefit Green Lake County's effort to modernize land records and make them available to public and private entities.

**Wisconsin Land Information Program
County Retained Fee/Grant Report – Continued**

Land Info Spending Category	Project Description(s) If you have multiple projects in a Spending Category. Row height will automatically expand as you type.	Land Info Plan Citations Page number or section reference	Project Cost Note unit cost and project total for each project	Total Cost for Spending Category (<u>ONE</u> total per Spending Category)
Digital Parcel Mapping	Parcel mapping ongoing maintenance and re-established PLSS integration	p. 16	502 hours x \$42.67 by in-house GIS Specialist	21,409
PLSS	City of Princeton block corners PLSS corners (\$40 credit on account)	p. 17	\$25,220 \$52,240 (45 at \$1,140) (3 at \$980 total)	77,460
Other Parcel Work (e.g., ROD indexing)	Scan document tract index books	p. 18	\$5,500	5,500
LIDAR				0.00
Orthoimagery				0.00
Address Points				0.00
Street Centerlines				0.00
Software	Permit tracking software with public website Transcendent Technologies, LLC, Appleton http://www.transcendenttech.com/	p. 20	\$7,320 30% down payment	7,320
Hardware				0.00
Website Development/ Hosting Services	Maintain existing websites, portals, services, and back-end databases while developing and migrating to new website	p. 20	215 hours x \$42.67 by in-house GIS Specialist	9,175
Administrative Activities and Management				0.00
Training and Education	WLIA Annual Conference, Elkhart Lake WLIA Group Membership WLIA Fall Regional, Oshkosh LiDAR grant presentation, Appleton EWUG Annual Conference, Green Bay	p. 21	\$325.36 \$145 \$95 \$32.40 \$354.48	952.24
TOTAL				\$ 121,816.24
Amount of retained fees and grants spent on land records modernization in the reporting period Total may be more or less than the amount of grants and retained fees received in 2016 (if carried over from year to year)				
Amount of retained fees and grants carried forward to calendar year 2017 from previous years				\$ 108,383.78

Green Lake County – LiDAR Project Profile 2018-19

Why LiDAR now?

LiDAR technology has been used in Wisconsin since the early 2000's for high accuracy topographic mapping. Green Lake County completed its first LiDAR project in 2009. In the eight years since then, lidar technology has advanced rapidly. The 2018 lidar projects will be the most accurate countywide datasets in Wisconsin due to improved technology and new specifications (0.3-foot vertical accuracy).

- Unique opportunity for funding new countywide lidar projects
- Path is paved by previous participants
- Recent success with winning federal grants in Wisconsin
- Group of neighboring counties with high likelihood of success is already formed
- Attain countywide coverage for high accuracy topographic mapping
- Detect and locate topographic and infrastructural changes since 2009 flight

Opportunity for federal funding

A group of counties in Wisconsin is planning to submit an application for 3DEP funding to help pay for lidar in 2018. This group is made up of counties that are flying lidar for the first time along with counties flying update lidar. The application for 2018 funding is built on the success of 3DEP funding that we won in 2015, 2016, and 2017 for Wisconsin county lidar projects.

The major improvements since 2009

- Point density improves from 1 ppsm to 2 ppsm
- Vertical accuracy improves from 19cm to 10cm RMSEz
- Data supports 1-ft contour interval

Data Deliverables

Base QL2 project datasets and reports:

- Raw swath point cloud, LAS format v1.4
- Base classified point cloud (does not include buildings or veg), LAS format
- Hydro flattening breaklines (100-ft streams and 2 acre ponds), ESRI shapefile format
- Bare earth DEM, 32-bit floating point grid
- Contours, auto-generated, ESRI shapefile format
- Vertical accuracy report (NVA and VVA)
- Tile schematic, ESRI shapefile format
- Data acquisition and processing QC reports

Recommended LiDAR enhancements to the base QL2 requirements:

- Improved hydro breaklines (20-ft and wider streams and 2 acre ponds)
- Improved 2-ft contours (topologically cleaned, all types)

Additional Lidar Derivative datasets for consideration:

- 1-ft contour dataset (in place of 2-ft contours, improvements included)
- 2D building outlines
- Automated classification of buildings and vegetation
- Intensity imagery, GeoTIFF format
- Digital Surface Model (first-returns)

Cost Breakdown – pursue 3DEP funding at 50% match

Countywide square mileage with 100 meter buffer, 386 square miles

Base Project to meet QL2 specifications: not-to-exceed \$96,500

Green Lake County share: \$48,250

USGS share: \$48,250

Recommended LiDAR enhancements to the base QL2 requirements: \$16,250

- Improved hydro breaklines (20-ft and wider streams and 2 acre ponds)
- Improved 2-ft contours (topologically cleaned, fully attributed)

Additional Lidar Derivative datasets: Optional, to be determined if interested

Overall LiDAR project funding source breakdown:

Green Lake County

- Lidar Base Project: \$48,250
- Lidar Enhancements: \$16,250
- Lidar Additional Derivatives: \$TBD

Grants

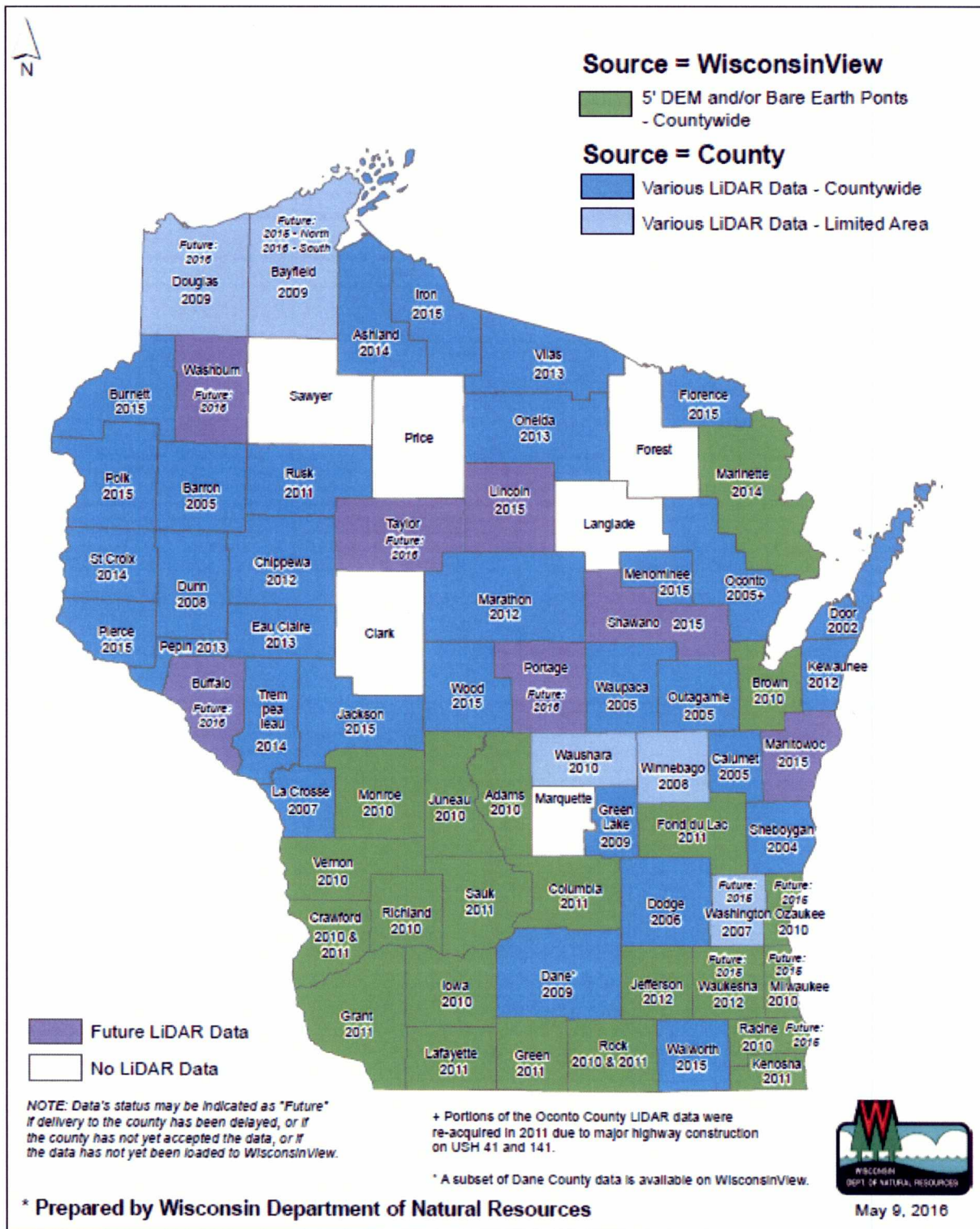
- 3DEP - \$48,250 (pending award of group application)

Contracting

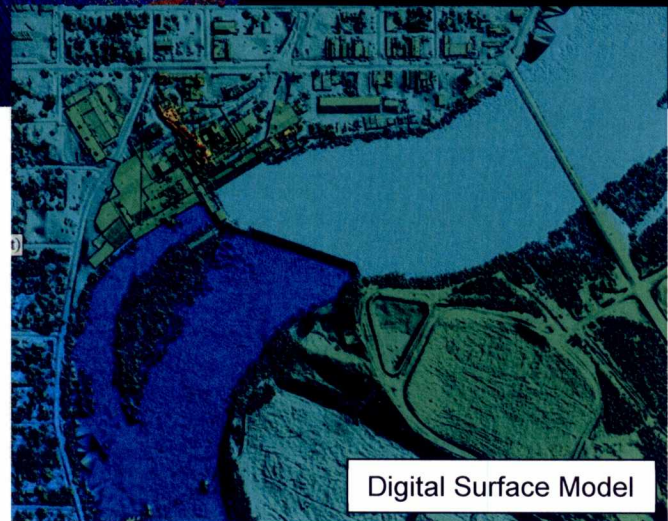
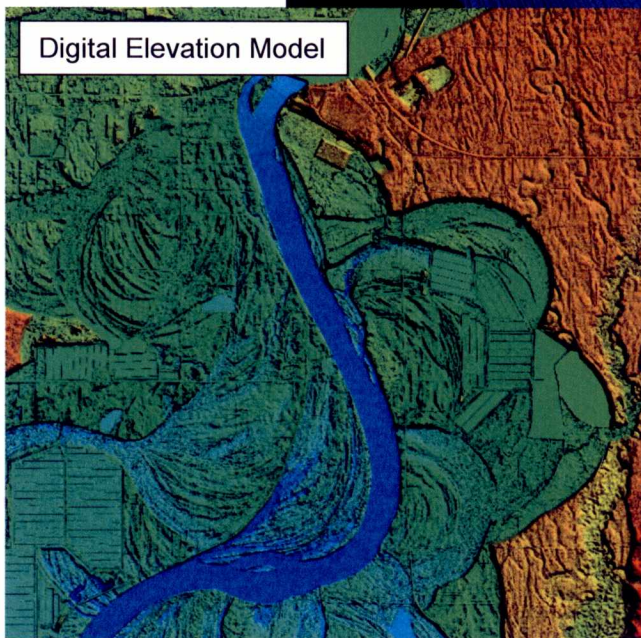
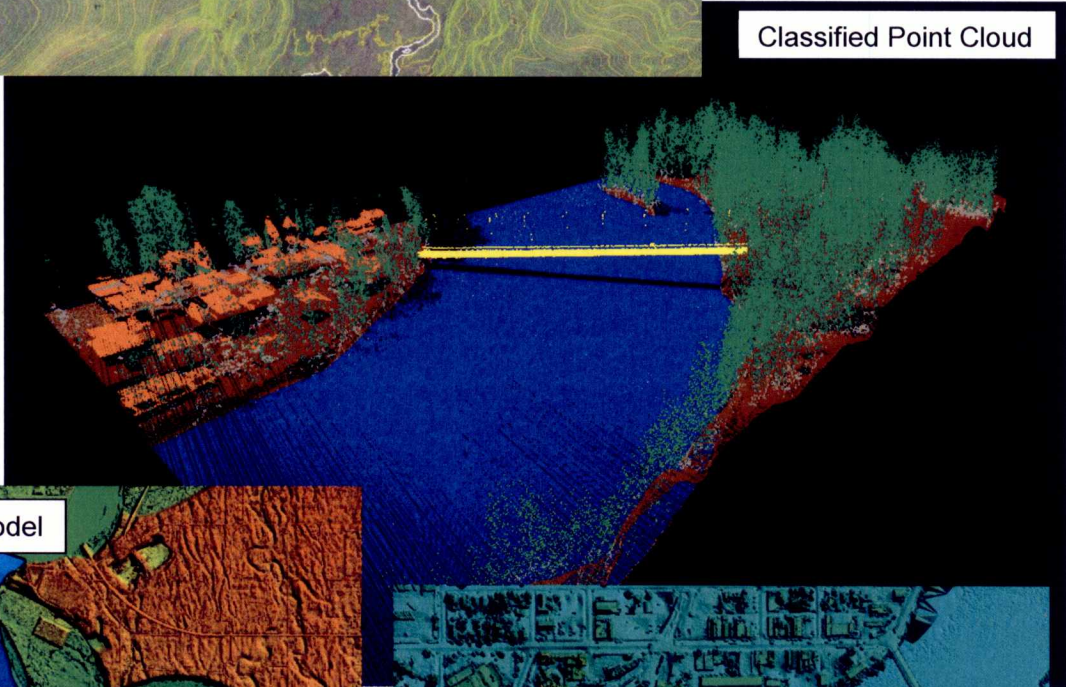
The total project cost to the county is \$64,500, which includes the lidar base project and recommended lidar enhancements. Upon award of the 3DEP grant, the county would contract with Ayres Associates for the full amount required to complete the project, which is \$112,750. The county would have a partnership agreement with WI DOA – WLIP for the USGS 3DEP match (\$48,250).

Timeline

The grant announcement (BAA) is released in July 2017, at which time we ask for letters of intent from the county to confirm commitment of pursuing the grant. We will coordinate writing and submitting the grant with WI DOA on behalf of Green Lake County. We will hear if the grant has been awarded in January of 2018. If successful, the next step is to move forward with contracting for the project for flight in spring 2018. The data will be delivered in late 2018 or early 2019 depending on budget cycles and funding approach.



LiDAR Datasets

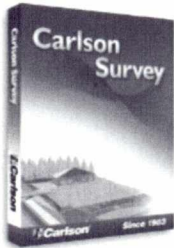




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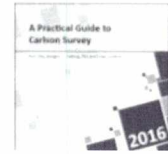
Carlson Survey

As the number one office solution for surveyors in the U.S., the [Carlson Survey 2017 release](#) continues its development of survey features based on customer requests. The versatile and popular surveying software solution works like a surveyor thinks. Check out what's new under "Recent Improvements" below.

Carlson Survey is designed for use for land surveying. It provides a full toolkit for surveyors with everything from network least squares to surface modeling. Users get the ability to work seamlessly between the office and the field and they can establish company-wide design styles to ease and speed their work.

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Survey

Type of License*:

Price : \$1750

Legend for Book

	Mile Marker		Town, City, Village and Private Roads
	Structure		County Highway
	Structure on DOP		Interstate Highway
	Campground		State Highway
	Incident Command Post (ICP)		Intermittent Stream
	Boat Landing		Perennial Stream
	School		Water Body
	Fire Station & ICP		Section
	Fire Station		DNR Land
	Water Source		Municipality
	Dry Hydrant and Hydrant		Detail Boundary
	Natural Gas Pipeline		Township Boundary
	Railroad		
	Transmission Line		
	Driveway		

Produced in Cooperation by: Marquette County Surveyor & Cartographer
Marquette County EMS Director
WI DNR-Division of Forestry

Funding provided by: WI DNR Hazard Mitigation Grant

Contains Homeland Security Sensitive Information -

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DATA SOURCES:

STRUCTURE LOCATION: Structure point data was originally obtained using a Leica Model 300 GPS unit at the end of the structure's driveway. The structure point was then moved to the main structure location using the 2005 Marquette Black and White 6 inch photos in conjunction with Marquette County Parcel data in 2008.

AERIAL PHOTOGRAPHY: 2005 Marquette County 6-inch leaf-off Digital Orthophotos were provided by Marquette County. The entire county was flown on April 13, 2005.

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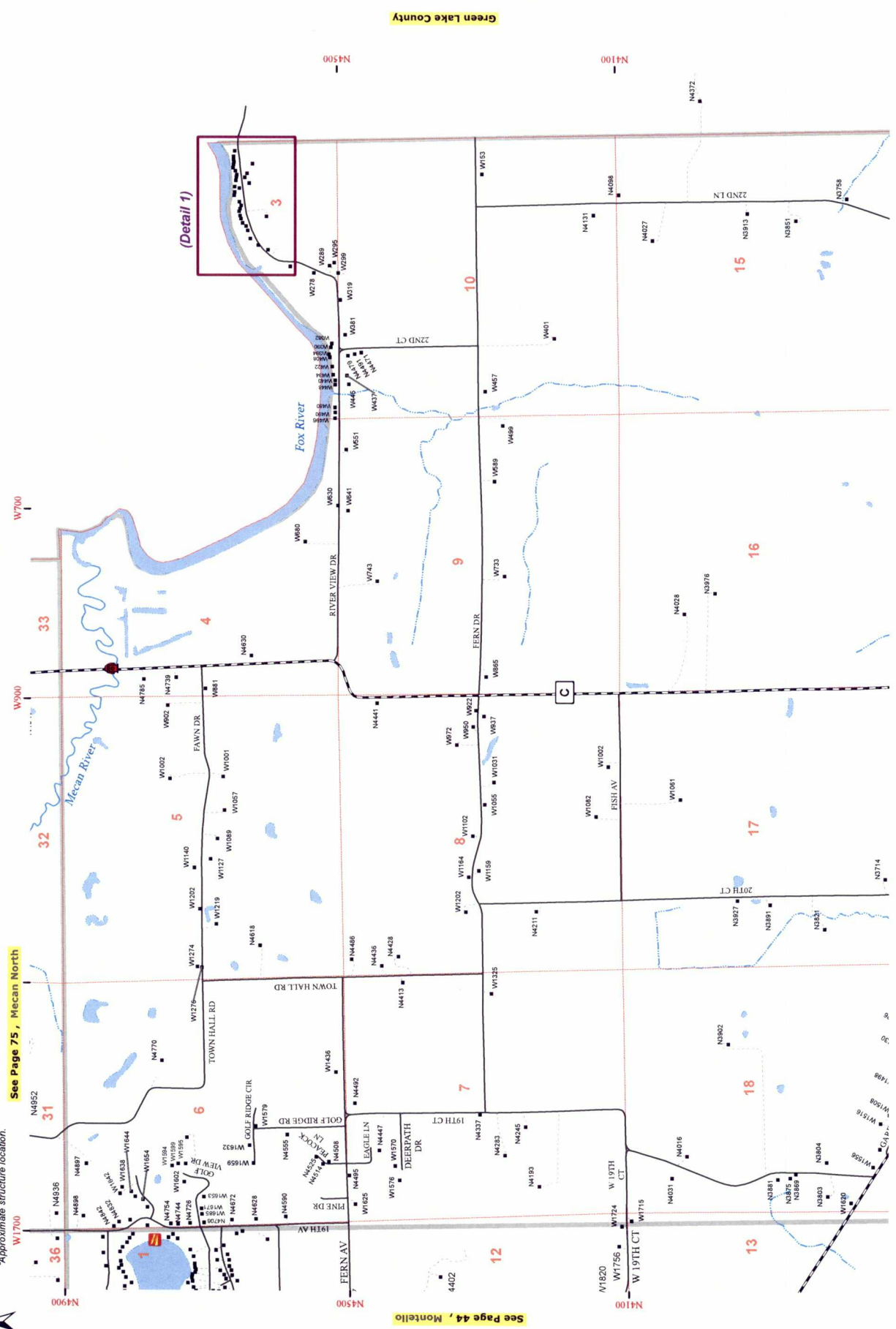
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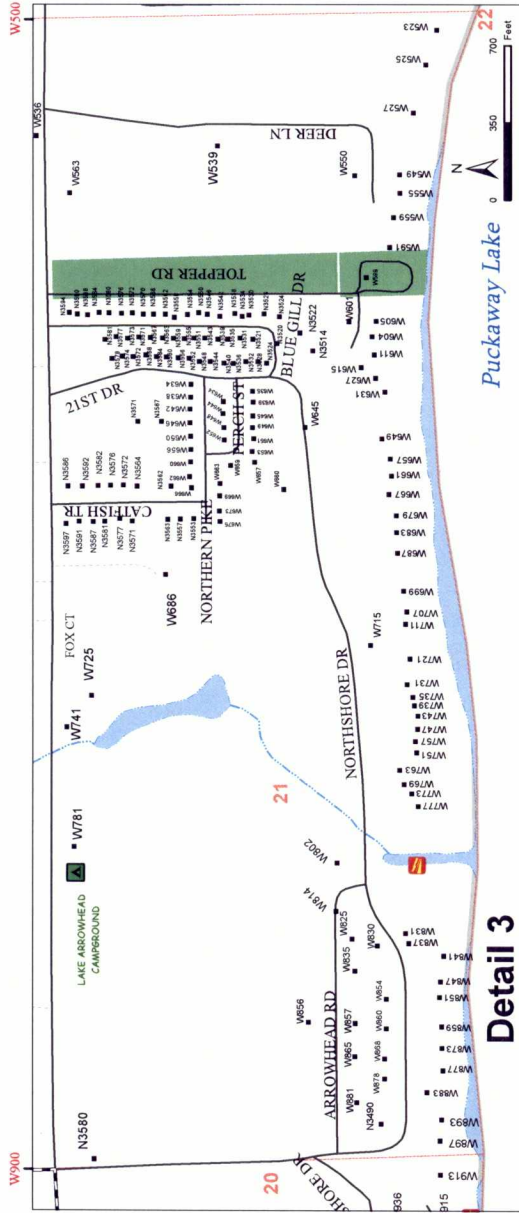
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Mecan South Township-T15N R11E

See Page 75 , Mecan North
See Page 44 , Montello
*Approximate structure location.



Mecan South Township- T15N R11E



Detail 3



Detail 4

Legend

- Mile Marker
- Structure*
- Campground
- Fire Station & ICP
- Boat Landing
- ICP
- Water Source
- Hydrant
- School
- Natural Gas Pipeline
- Railroad
- Transmission Line
- DNR Land

*See inside front cover for full legend

One section is approximately one mile

*Approximate structure location.

Mecan South Township-T15N R11E

Aerial Photography provided by Marquette County, 2005

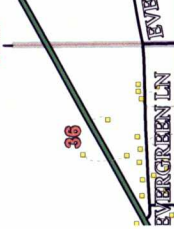


*Approximate structure location.

W1700

W1300

W700



Green Lake County

N4500

N4100

See Page 46, Montello

N4900

N4500

N4100



Map Locator

Springfield 80-85	Newton 86-91	Crystal Lake 92-97	Neshkoro 98-103
Westfield 56-61	Harris 62-67	Shields 68-73	Mecan North 74-79
Oxford 32-37	Packwaukee 38-43	Montello 44-49	Mecan South 50-55
Douglas 8-13 Moundville 14-19	Buffalo West 20-25	Buffalo East 26-31	

*Approximate structure location.
 Aerial Photography provided by Marquette County, 2005

One section is approximately one mile

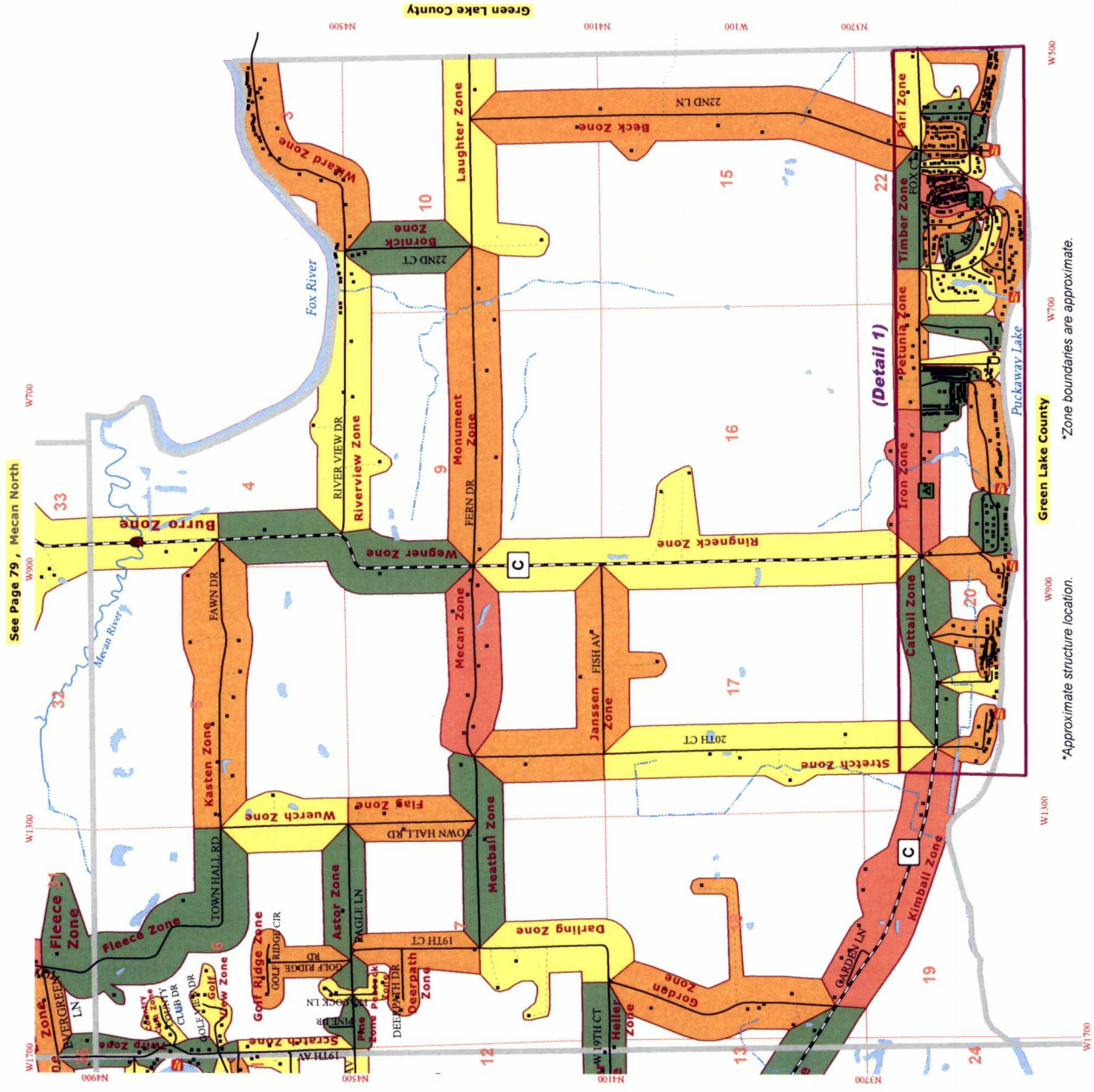
Legend

- Mile Marker
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*See inside front cover for full legend.

Mecan South Township-T15N R11E

Mecan South Township-T15N R11E



See Page 79, Mecan North

See Page 49, Montello

*Approximate structure location.
*Zone boundaries are approximate.

Zone Name	Section	Structures	Zone Name	Section	Structures
Adolph	7	2	Janssen	17	4
Arrowhead	21	24	Kasten	5	12
Astor	6	1	Kimball	19	9
Beck	15	7	Laughter	10	2
Beetle	22	35	Lotus	22	38
Bornick	10	3	Meatball	8	9
Burro	33	12	Moccasin	22	18
Cattail	20	1	Monument	9	5
Children	20	54	Nautic	20	15
Country Club	6	6	Pari	22	6
Darling	7	3	Parrot	7	2
Deer	21	6	Peacock	7	4
Deerpath	7	4	Petunia	21	9
Dinah	21	28	Ringneck	16	2
Flag	8	4	Riverview	9	16
Flapjack	21	96	Rudy's	20	16
Fleece	6	4	Scratch	6	9
Franks	22	24	Simon	22	23
Garden	19	5	Stretch	17	4
Golf Ridge	6	4	Timber	22	6
Golf View	6	8	Tomahawk	22	36
Gordon	18	8	Twirp	6	19
Heller	18	5	Wegner	9	2
Huron	22	34	Wizard	3	40
Iron	21	7	Wuerch	5	1



One section is approximately one mile

Legend

- Mile Marker
- Structure*
- Campground
- Fire Station
- Fire Station & ICP
- ICP
- Boat/Landing
- School
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*See inside front cover for full legend