



MARATHON COUNTY ENVIRONMENTAL RESOURCES COMMITTEE AGENDA

Date & Time of Meeting: **Thursday, April 2, 2020 at 3:00 p.m.**

Meeting Location: **212 River Drive, Room 5, Wausau 54403**

Committee Members: Jacob Langenhahn - Chair ; Randy Fifrick -Vice-chair; Rick Seefeldt, Allen Drabek, Jim Bove, Sara Guild, Arnold Schlei, Dave Oberbeck, Eric Vogel - FSA Member, Marilyn Bhend – WI Towns & Villages Association (non-voting member)

Marathon County Mission Statement: *Marathon County Government serves people by leading, coordinating, and providing county, regional, and statewide initiatives. It directly or in cooperation with other public and private partners provides services and creates opportunities that make Marathon County and the surrounding area a preferred place to live, work, visit, and do business. (Last updated 12-20-05).*

Environmental Resources Committee Mission Statement: *Provide leadership for the implementation of the County Strategic Plan, monitoring outcomes, reviewing and recommending to the County Board policies related to environmental resource initiatives of Marathon County. (Revised: 04/17/12)*

Strategic Plan Goals 2018 -2022: Objective 5.2 - Promote sound land use decisions that conserve and preserve natural resources in decisions with economic development and growth.

Objective 6.3 - Protect and enhance the quantity and quality of potable groundwater and potable surface water supplies.

We are encouraging people to attend the meeting by phone. Please call into the telephone conference beginning ten minutes prior to the start time of the meeting indicated above using the following number:

1-408-418-9388 Access code: 629 457 729

1. Call meeting to order
2. Approval of March 5, 2020 Committee minutes
3. **Operational Functions required by Statute, Ordinance, or Resolution:**
 - A. Public Hearings, Review, Possible Actions, and Possible Recommendations to the County Board for its Consideration (County Zoning changes)
 1. Paul Mundt on behalf of Mary Mundt and Delores Mundt (Life Est.) G-A General Agriculture to L-D-R Low Density Residential and N-C Neighborhood Commercial – Town of Green Valley
 - B. Review and Possible Recommendations to County Board for its Consideration – None
 - C. Review and Possible Action
 1. Approval of Resolution to Participate in a State Motorized Recreation Trails Aids Programs
4. **Educational Presentations/Outcome Monitoring Reports and Committee Discussion**
 - A. Review of proposed Policy Revisions to Marathon County Forest Comprehensive Land Use Plan Chapters 700-900
 - B. Animal Waste and Nutrient Management Ordinance-education on proposed revisions-public engagement
 1. Discuss County Public engagement model levels of engagement (see attached fact sheet)
 2. Inform committee of CPZ staff efforts to engage community stakeholders on proposed ordinance changes to date
 3. Discuss what further efforts ERC recommends that should be taken to engage community stakeholders on proposed ordinance changes so committee is confident in proposed changes going forward.
 4. Discuss possible dates to re-open hearing to consider further input on proposed ordinance changes.
 - C. Storm Water Municipal (MS4) Permit Annual Report
<https://dnr.wi.gov/topic/stormwater/municipal/overview.html>
 - D. Department Updates: Conservation, Planning and Zoning (CPZ)
5. **Policy Issues Discussion and Committee Determination to the County Board for its Consideration - None**
6. **Next meeting date, time & location and future agenda items:**

Tuesday, May 5, 2020 3:00 p.m. Room 2

 - A. Committee members are asked to bring ideas for future discussion
 - B. Announcements/Requests/Correspondence

**MARATHON COUNTY
ENVIRONMENTAL RESOURCES COMMITTEE
AGENDA**

7. Adjournment

Any person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk's Office at 715-261-1500 or e-mail infomarathon@mail.co.marathon.wi.us one business day before the meeting.

FAXED TO:

News Dept. at Daily Herald (715-848-9361), City Pages (715-848-5887),
Midwest Radio Group (715-848-3158), Marshfield News (877-943-0443),
COURTHOUSE: TPP Printing (715 223-3505)

Date: March 27, 2020
Time: 10:45 am
By: cek
Date/Time/By: _____

SIGNED_

Rebecca J. Frisch

Presiding Officer or Designee

NOTICE POSTED AT

Date: _____
Time: _____
By: County Clerk

NOTICE OF PUBLIC HEARING

A public hearing will be held by the Environmental Resources Committee of the Marathon County Board of Supervisors on Thursday, April 2, 2020 at 3:00 p.m., 212 River Drive, Room 5, Wausau WI 54403, at which time the Committee will consider the following:

1. The petition of Paul Mundt on behalf of Mary Mundt and Delores Mundt (Life Est.) to amend the Marathon County Zoning Ordinance to rezone lands from G-A General Agriculture to L-D-R Low Density Residential and N-C Neighborhood Commercial described as part of the NE ¼ of the NE ¼ Section 24 and the SE ¼ of the SE ¼ of Section 13, Township 26 North, Range 05 East, Town of Green Valley. Proposed area to be rezoned to N-C is described as Lot 1 (2.150 acres) on the Preliminary Certified Survey Map (CSM) submitted by Tim Vreeland. The area proposed to be rezoned to L-D-R is described as Lot 2 (1.048 acres) on the Preliminary CSM submitted by Tim Vreeland. Part of parent parcels PIN# 030-2605-241-0999 and PIN # 030-2605-134-0956.

Written testimony may be forwarded prior to the hearing to: Jacob Langenhahn – Environmental Resource Committee Chair, Conservation, Planning and Zoning Department, 210 River Drive, Wausau, WI 54403-5449. All interested persons will be given an opportunity to be heard. Any person planning to attend this meeting who needs some type of special accommodation in order to participate should call the County Clerk's Office at 715-261-1500 or e-mail infomarathon@co.marathon.wi.us one business day before the meeting.

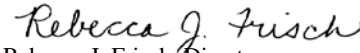
We are encouraging people to attend the meeting by phone. Please call into the telephone conference beginning ten minutes prior to the start time indicated above using the following number:

1-408-418-9388 Access code: 629 457 729

Jacob Langenhahn



Jacob Langenhahn, Chairman
Environmental Resources Committee



Rebecca J. Frisch, Director
Conservation, Planning, and Zoning Department

Publish: March 25, 2020

E-mailed to: Wausau Daily Herald (WDH-Legals@wdhmedia.com) on March 23, 2020 at 9:30 a.m.



**Marathon County
Environmental Resources Committee Minutes
Thursday, March 5, 2020
212 River Drive, Wausau WI**

Attendance:	<u>Member</u>	<u>Present</u>	<u>Not present</u>
<i>Chair</i>	Jacob Langenhahn.....	X	
<i>Vice-Chair</i>	Randy Fifrick.....	X	
	Rick Seefeldt	X	
	Jim Bove	X	
	Allen Drabek	X	
	Sara Guild.....	X (arrived at 4:10)	
	Arnold Schlei	X	
	Dave Oberbeck.....	X	
	Marilyn Bhend	X	
	Eric Vogel	X	

Also present: Rebecca Frisch, Cindy Kraeger, Robert Hoffman, Matt Repking – Conservation, Planning, and Zoning (CPZ); Dave Hagenbucher – Solid Waste; Tom Lovlien – Park, Recreation, and Forestry (PRF); Dan Higginbotham, David Hannemann and Paul Hackel.

1. **Call to order** – Called to order by Chair Langenhahn at 3:00 p.m. at 212 River Drive Room 5, Wausau, WI.
2. **Public Comment** – None.
3. **Approval of February 6, 2020 Environmental Resources Committee (ERC) minutes.**

Motion / second by Drabek / Bove to approve of the February 6, 2020 Environmental Resources Committee minutes as distributed. Motion **carried** by voice vote, no dissent.

4. **Operational Functions required by Statute, Ordinance, or Resolution:**

A. **Public Hearings, Review, Possible Actions, and Possible Recommendations to the County Board for its Consideration (County Zoning changes)**

1. **Norman and Marlys Tremelling on behalf of Larry and Clifford Eckes L- I Light Industrial, R-R Rural Residential and R-E to R-R Rural Residential– Town of Spencer**

Discussion: Hoffman was sworn in, and reviewed the staff report, noting that the decision sheet had been included in the meeting packet. Request to rezone from L-I to R-R land shown as Lot 2 of the Preliminary Certified Survey Map. Request to rezone from R-E to R-R land shown as Lot 1 of the Preliminary Certified Survey Map as described in the public hearing notice.

The Town of Spencer has reviewed the application and recommends approval without any concerns.

There was no additional testimony in favor or opposed to this rezone request. Testimony portion of the hearing was closed at 3:20 p.m. Committee deliberated and applied the standards for this request by reviewing and completing the decision sheet.

Action: **Motion /** second by Fifrick / Schlei to recommend approval to County Board, of the Norman and Marlys Tremelling on behalf of Larry and Clifford Eckes rezone request. Committee determined the rezone is consistent with the Marathon County and Town comprehensive plans, and is not located in the Farmland Preservation Plan. Adequate facilities are present and providing public facilities will not burden local government. The rezone should not result in any adverse effect on natural areas. Motion **carried** by voice vote, no dissent.

Follow through: Forward to County Board for action at their next regularly scheduled meeting.

2. **Jerrod Kautza and Gerald & Diane Resch L-D-R Low Density Residential, R-R Rural Residential and G-A General Agriculture to R-E Rural Estate – Town of Plover**

Discussion: Hoffman was sworn in, and reviewed the staff report, noting that the decision sheet had been included in the meeting packet. The request to rezone 5.48 acres on Lot 1 of the Preliminary Certified Map to make the property compliant.

The Town of Plover has reviewed the application and recommends approval without any concerns.

There was no additional testimony in favor or opposed to this rezone request. Testimony portion of the hearing was closed at 3:30 p.m. Committee deliberated and applied the standards for this request by reviewing and completing the decision sheet.

Action: **Motion** / second by Fifrlick / Vogel to approve the Jerrod Kautza and Gerald & Diane Resch rezone request. Committee determined the rezone is consistent with the Marathon County and Town comprehensive plans, and is not located in the Farmland Preservation Plan. Adequate facilities are present and providing public facilities will not burden local government. The rezone should not result in any adverse effect on natural areas. Motion **carried** by voice vote, no dissent.

Follow through: Forward to County Board for action at their next regularly scheduled meeting.

3. Dan Higginbotham, Plover River Land Co., on behalf of David and Patricia Tomson - G-A General Agriculture to R-R Rural Residential – Town of Plover

Discussion: Hoffman was sworn in, and reviewed the staff report, noting that the decision sheet had been included in the meeting packet. Request to rezone 3.61 acres Lot 1 of the Preliminary Certified Survey Map from G-A to R-R. Request to rezone 5.59 acres Lot 1 of the Preliminary Certified Map from R-E Rural Estate to R-R Rural Residential to allow for residential construction on the parcel.

The Town of Plover has reviewed the application and recommends approval without any concerns.

There was no additional testimony in favor or opposed to this rezone request. Testimony portion of the hearing was closed at 3:35 p.m. Committee deliberated and applied the standards for this request by reviewing and completing the decision sheet.

Action: **Motion** / second by Fifrlick / Drabek to recommend approval to County Board, of the Dan Higginbotham, Plover River Land Co., on behalf of David and Patricia Tomson rezone request. Committee determined the rezone is consistent with the Marathon County and Town comprehensive plans, and is not located in the Farmland Preservation Plan. Adequate facilities are present and providing public facilities will not burden local government. The rezone should not result in any adverse effect on natural areas. Motion **carried** by voice vote, no dissent.

Follow through: Forward to County Board for action at their next regularly scheduled meeting.

4. Public testimony on text amendment changes to the General Code of Ordinances for Marathon County Chapter 11.02 Animal Waste Management Ordinance

Discussion: Repking was sworn in and briefly explained the changes related to the text updates to the Chapter 11.02 ordinance. Repking specifically reviewed more significant policy changes that are being proposed to ensure the revisions are most beneficial to Marathon County and to bring clarity to the farmers that are consistent with state standards but not more restrictive. Repking reported the Livestock Facility definition was omitted from the ordinance and distributed it to Committee members and should be included with their motion. Repking read into the record the letters received from John Kennedy - Big Eau Pleine Citizens Organization (BEPCO); Matthew Oehmichen, Doreen Erbrecht – Town of Plover Clerk in support of the Animal Waste Ordinance and Dennis Dieringer – Town of Spencer Chairman found no objections to the proposed changes. Committee discussion occurred regarding the size of the on the stacking restrictions.

Frisch was sworn in and briefly explained Corporation Counsel worked with Repking to ensure the ordinance is consistent with the DNR.

There was no additional testimony in favor or opposed to the text amendment changes to the General Code of Ordinance for Marathon County Chapter 11.02 Animal Waste Management Ordinance.

The committee closed the public hearing at 4:00 p.m. and deliberated.

Action: **Motion** / second by Seefeldt / Bove to approve the text amendment changes to the General Code of Ordinances for Marathon County Chapter 11.02 Animal Waste Management Ordinance.

Motion **carried** by voice vote, no dissent.

Note: The committee realized they did not include Livestock Facility definition in their motion.

Action: **Motion** / second by Ffrick / Seefeldt to rescind the approval of the text amendment changes to the General Code of Ordinances for Marathon County Chapter 11.02 Animal Waste Management Ordinance.

Motion **carried** by voice vote, no dissent.

Action: **Motion** / second by Seefeldt/Bove to approve the text amendment changes to the General Code of Ordinances for Marathon County Chapter 11.02 Animal Waste Management Ordinance.

Action: **Motion** / second by Bove / Ffrick to approve the addition of the Livestock Facility definition in the ordinance.

Motion **carried** by voice vote, no dissent.

Action of original motion:

Motion **carried** by voice vote, no dissent.

Follow through: Forward to County Board for action at their next regularly scheduled meeting.

B. Review and Possible Recommendation to County Board for its Consideration

1. Resolution: Consider the Purchase of the CERES Timber Property LLC Property for County Forest

Discussion: This property purchase started in 2018 and the purchase price agreed upon is the appraised value of the land. The meeting packet included the Agreement of Purchase and Sale, addendum and maps. Lovlien recommended forwarding the resolution to Human Resources, Finance and Property Committee and County Board for consideration of 200 acres in the Town of Hewitt which will meet the objectives of the Marathon County Forest Comprehensive Plan and the Strategic Plan.

Action: **Motion** / second by Ffrick / Schlei to approve and forward the Resolution.

Motion **carried** by voice vote, no dissent.

Follow through: The resolution will be forwarded to Human Resource, Finance and Property Committee, and County Board for consideration at their next scheduled meetings.

2. Resolution: Adopting Marathon County Solid Waste Management Board Strategic Plan 2020-2025

Discussion: Hagenbucher reviewed the Strategic Plan and five objectives with the Committee.

Action: **Motion** / second by Guild / Drabek to approve and forward the Resolution – Adopting Marathon County Solid Waste Management Board Strategic Plan 2020-2025.

Motion **carried** by voice vote, no dissent.

Follow through: The resolution will be forwarded to County Board for consideration at its next scheduled meeting.

3. Resolution: Authorize responsible representative for DNR Grant

Discussion: Frisch discussed the resolution that was included in the meeting packet authorizing the Land and Water Program Director to act on behalf of Marathon County to sign the grant agreement.

Action: **Motion** / second by Schlei / Seefeldt to authorize responsible representative for DNR Grant.

Motion **carried** by voice vote, no dissent.

Follow through: Resolution will be forward to the Wisconsin Department of Natural Resources

Motion **carried** by voice vote, no dissent.

C. Review and Possible Action

1. Stone Horizon Final Plat

Discussion: Frisch reviewed the Stone Horizon Final Plat with the Committee. The preliminary plat was reviewed with the Committee previously and no substantial change from the preliminary plat to the final plat has occurred.

Action: **Motion** / second by Guild / Seefeldt to recommend approval of the Stone Horizon Final Plat Map. Motion **carried** by voice vote, no dissent.

Follow through: Committee Chair signed Final Plat.

5. **Educational Presentations/Outcome Monitoring Reports and Committee Discussion**

A. 2019 County Forest Division Annual Report

Discussion: Lovlien discussed some of the program highlights including revenue and expenses, timber management, road and trail maintenance, wildlife management, recreation, public outreach and professional development.

Action: None needed.

Follow through: The report will be distributed to the full County Board and regular plan holders according to the County Forest Comprehensive Land Use Plan.

B. MS4 Storm Water Management grant project

Discussion: Frisch provided an update of the \$64,000 grant received in late December to analyze the stormwater runoff on Marathon County properties.

Action: **None.**

Follow through: Future action needed to retain services of a consultant.

6. **Policy Issues Discussion and Committee Determination to the County Board for its Consideration**

A. Legislative and Budget Report: current and future legislative initiatives

Discussion: Frisch distributed the legislative report. CPZ will monitor the state budget and update the Committee of any impacts.

Action: **None.**

Follow through: CPZ continues to monitor any updates and update the Committee.

7. **Next meeting date, time & location and future agenda items:**

Thursday, April 2, 2020 3:00 p.m. 212 River Drive, Room 5 Wausau WI

A. Committee members are asked to bring ideas for future discussion

B. Announcements/Requests/Correspondence

Discussion: Frisch stated with the County Board elections in April the committee should be aware of the upcoming committee meeting dates to allow for the public hearing notices to be posted in a timely manner.

8. **Adjourn – Motion** / second by Schlei / Drabek to **adjourn** at 5:00 p.m. Motion **carried** by voice vote, no dissent.

Rebecca Frisch, CPZ Director

For Jacob Langenhahn, Chair

cc: (via email/web site) ERC members; County Administrator; Deputy County Administrator; Corporation Counsel; County Clerk

RF/cek

PETITION FOR ZONE CHANGE
BEFORE THE MARATHON COUNTY BOARD OF SUPERVISORS

1. As authorized by §17.91 of the Marathon County Zoning Code (I) (we) (Name & Address):

Paul Mundt
~~136749 Park view lane~~ Mashee, WI 54453
213 Water Street

hereby petition to rezone property owned by (Name & Address): Mary Mundt at 809 Stone
Pidge Rd, Mashee WI, 54455

from the classification GA, General AG to LDR Low Density Res.
NC Neighborhood Com.

2. The legal description of that part of the property to be rezoned is (include only the description of the land proposed to be rezoned. You may need to have a surveyor draft this description): See attached CSM

Handwritten note: 28
02/27/19

Parcel Identification Number (PIN): 030-2605-139-0956 and 030-2605-241-0999

3. The proposed change is to facilitate the use of the land for (be specific-list all proposed uses):

Storage building + Residential home

4. Please address the following criteria as best as you can. These are the "standards for rezoning" which will be addressed at the public hearing. (Use additional sheets if necessary).

A. In detail, explain what public facilities and services serve the proposed development at present, or how they will be provided. Property is on a public road served by general utilities.

B. Explain how the provision for these facilities will not be an unreasonable burden to local government. No burden on local government.

C. What have you done to determine that the land is suitable for the development proposed?

Location has an already existing driveway.

D. Explain what will have to be done so the development will not cause unreasonable air and water pollution, soil erosion or adverse effects on rare or irreplaceable natural areas. Location would be graded to eliminate erosion.

E. Explain any potential for conflict with existing land uses in the area. No conflicting land use. Several LDR zoned property in the area, which storage area is needed for these homes.

(OVER)

- F. Demonstrate the need of the proposed development at this location. Placement of storage facility. Currently having to rent storage
- G. What is the availability of alternative locations? Be specific. All other land is being used for Agriculture or wooded
- H. If cropland is being consumed by this Zone Change, what is the productivity of the agricultural lands involved? Not currently being used as cropland
- I. If cropland is being consumed by this zone change, explain how the proposed development will be located to minimize the amount of agricultural land converted. None

5. Include on a separate sheet (no larger than 11 x 17) a drawing of the property to be rezoned, at a scale of 1"=200 ft or larger. Show additional information if required. **(If larger sheets are required to adequately portray the site, include ten (10) copies).**

All property owners within 300 feet of the parent parcel proposed for rezoning are parties in interest, and will be notified by Marathon County Conservation, Planning, and Zoning Department of the public hearing notice via direct mail.

6. If the Environmental Resources Committee, at the public hearing for this zone change request, is unable to make a recommendation based upon the facts presented and/or request additional information, clarification or data from the petitioner, Town Board, or any other source, that information shall be supplied to the Conservation, Planning, and Zoning Department 24 hours or more prior to the next regularly scheduled meeting (date and time to be announced at each regular meeting). Twenty four hour notice is required for all agenda items. If the requested information, etc. is not supplied, the zone change petition is denied and will only appear on the agenda as a report. No additional testimony will be accepted. The petitioner (applicant) may re-apply at any time to bring the matter back before the Committee. **No exceptions to this policy will be granted.**

7. Petitioner's Signature Paul Muel Phone 715-409-6174 Date 9-19-2019

8. Owner's Signature Mary Markhan / Delora Muel Phone (303) 808-2159 Date 11-13-2019
(if different)

Date Fee Received: 2-7-2020 Fee \$600.00 PAYABLE TO MARATHON COUNTY

Attendance at the Public Hearing before the Marathon County Environmental Resources (ERC) Committee is not mandatory if you have appeared before the Town Planning Commission and/or the Town Board to present your proposal. If there was opposition to your proposal at the town level, attendance at the ERC hearing is recommended.

RECEIVED
 07 2020
 MARATHON CO. CONSERVATION,
 PLANNING & ZONING DEPT

CERTIFIED SURVEY MAP

MARATHON COUNTY NO. _____

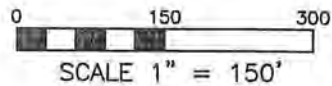
PART OF THE NE1/4 OF THE NE1/4 SECTION 24
AND SE1/4 OF THE SE1/4 OF SECTION 13,
TOWNSHIP 26 NORTH, RANGE 5 EAST, TOWN OF
GREEN VALLEY, MARATHON COUNTY, WISCONSIN.

VREELAND ASSOCIATES, INC.	
6103 DAWN STREET WESTON, WI. 54476	
PH (715) 241-0947 tim@vreelandassociates.us	
OWNER:	MARY MUNDT
FILE #:	M-613-19 MUNDT
DRAFTED AND DRAWN BY: TIMOTHY G. VREELAND	

CENTER 1/4 CORNER
SECTION 13-26-5 EAST
CALCULATED FROM SUMMARY
BY 2-2954 7-3-2018
2612.85'

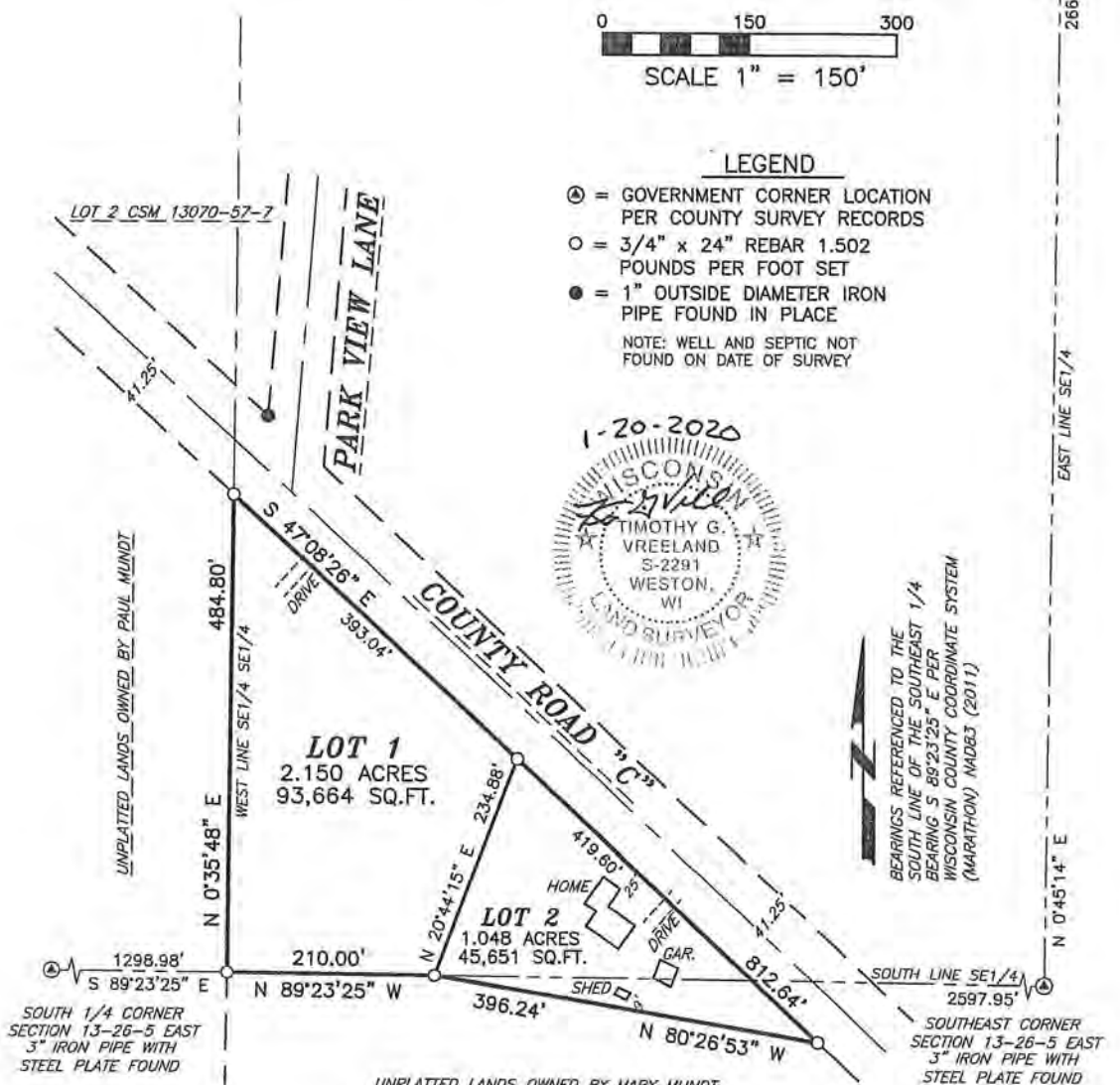
EAST 1/4 CORNER
SECTION 13-26-5 EAST
3" IRON PIPE WITH
STEEL PLATE FOUND
S 89°48'26" W

NORTH LINE SE1/4



LEGEND

- ⊙ = GOVERNMENT CORNER LOCATION
PER COUNTY SURVEY RECORDS
 - = 3/4" x 24" REBAR 1.502
POUNDS PER FOOT SET
 - = 1" OUTSIDE DIAMETER IRON
PIPE FOUND IN PLACE
- NOTE: WELL AND SEPTIC NOT
FOUND ON DATE OF SURVEY



CERTIFIED SURVEY MAP
MARATHON COUNTY NO. _____

PART OF THE NE1/4 OF THE NE1/4 SECTION 24 AND SE1/4 OF THE SE1/4 OF SECTION 13,
TOWNSHIP 26 NORTH, RANGE 5 EAST, TOWN OF GREEN VALLEY, MARATHON COUNTY, WISCONSIN.

SHEET 2 OF 2 SHEETS

SURVEYORS CERTIFICATE

I, TIMOTHY G. VREELAND, PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT AT THE DIRECTION OF PAUL MUNDT, I SURVEYED, MAPPED AND DIVIDED THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 24 AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 13, TOWNSHIP 26 NORTH, RANGE 5 EAST, TOWN OF GREEN VALLEY, MARATHON COUNTY, WISCONSIN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION 13; THENCE S 89°23'25" E ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 1298.98 FEET TO THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND TO THE POINT OF BEGINNING; THENCE N 0°35'48" E ALONG THE WEST LINE OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 484.80 FEET TO THE SOUTH LINE OF COUNTY ROAD "C"; THENCE S 47°08'26" E ALONG THE SOUTH LINE OF COUNTY ROAD "C" 812.64 FEET; THENCE N 80°26'53" W 396.24 FEET TO THE SOUTH LINE OF THE SOUTHEAST 1/4; THENCE N 89°23'25" W ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 210.00 FEET TO THE POINT OF BEGINNING. SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND RIGHTS OF WAY OF RECORD AND USE.

THAT SUCH MAP IS A CORRECT REPRESENTATION OF ALL EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND THE DIVISION AND THE CERTIFIED SURVEY MAP THEREOF MADE.

THAT I HAVE FULLY COMPLIED WITH SECTION 236.34 OF THE WISCONSIN STATUTES IN SURVEYING, MAPPING AND DIVIDING THE LANDS, CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE AND THE LAND DIVISION ORDINANCE OF MARATHON COUNTY AND THE TOWN OF GREEN VALLEY, ALL TO THE BEST OF MY KNOWLEDGE AND BELIEF IN SURVEYING, DIVIDING AND MAPPING THE SAME.



Timothy G. Vreeland

TIMOTHY G. VREELAND P.L.S. 2291

DATED THIS 20TH DAY OF JANUARY, 2020
SURVEY PERFORMED JANUARY 14TH, 2020

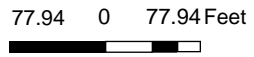
APPROVED FOR RECORDING UNDER
THE TERMS OF THE MARATHON
COUNTY LAND DIVISION REGULATIONS.

BY _____

DATE _____
MARATHON CO. CONSERVATION,
PLANNING & ZONING DEPT.
CPZ TRACKING NO. _____



- ### Legend
- Parcel Annotations
 - Parcels
 - Land Hooks
 - Section Lines/Numbers
 - Right Of Ways
 - Municipalities
 - 2015 Orthos
 - Red: Band_1
 - Green: Band_2
 - Blue: Band_3



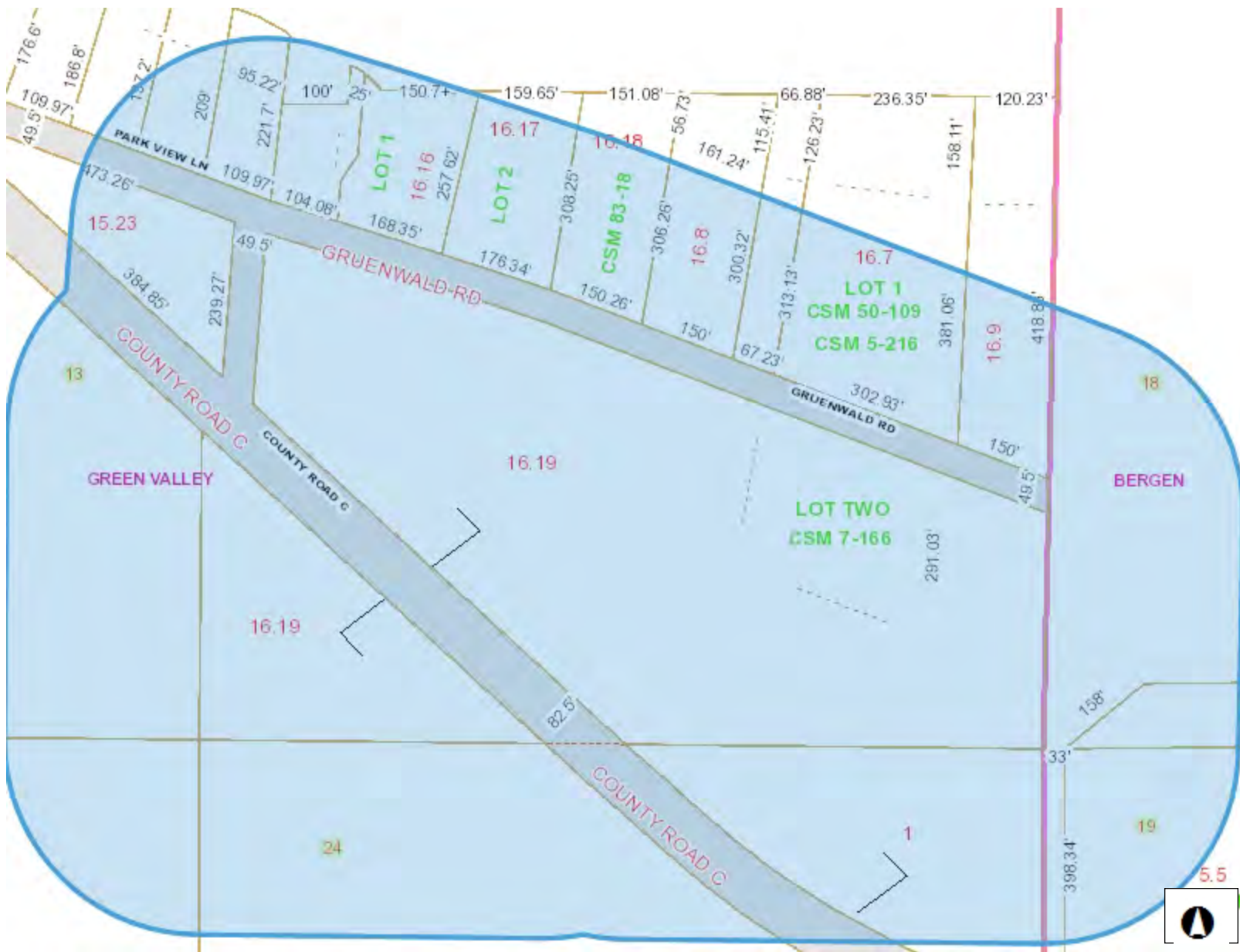
NAD_1983_HARN_WISCRS_Marathon_County_Feet

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THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

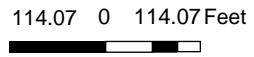


Land Information Mapping System



Legend

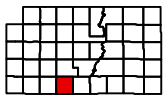
- Parcel Annotations
- Parcels
- Land Hooks
- Section Lines/Numbers
- Right Of Ways
- Municipalities



NAD_1983_HARN_WISCRS_Marathon_County_Feet

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Notes

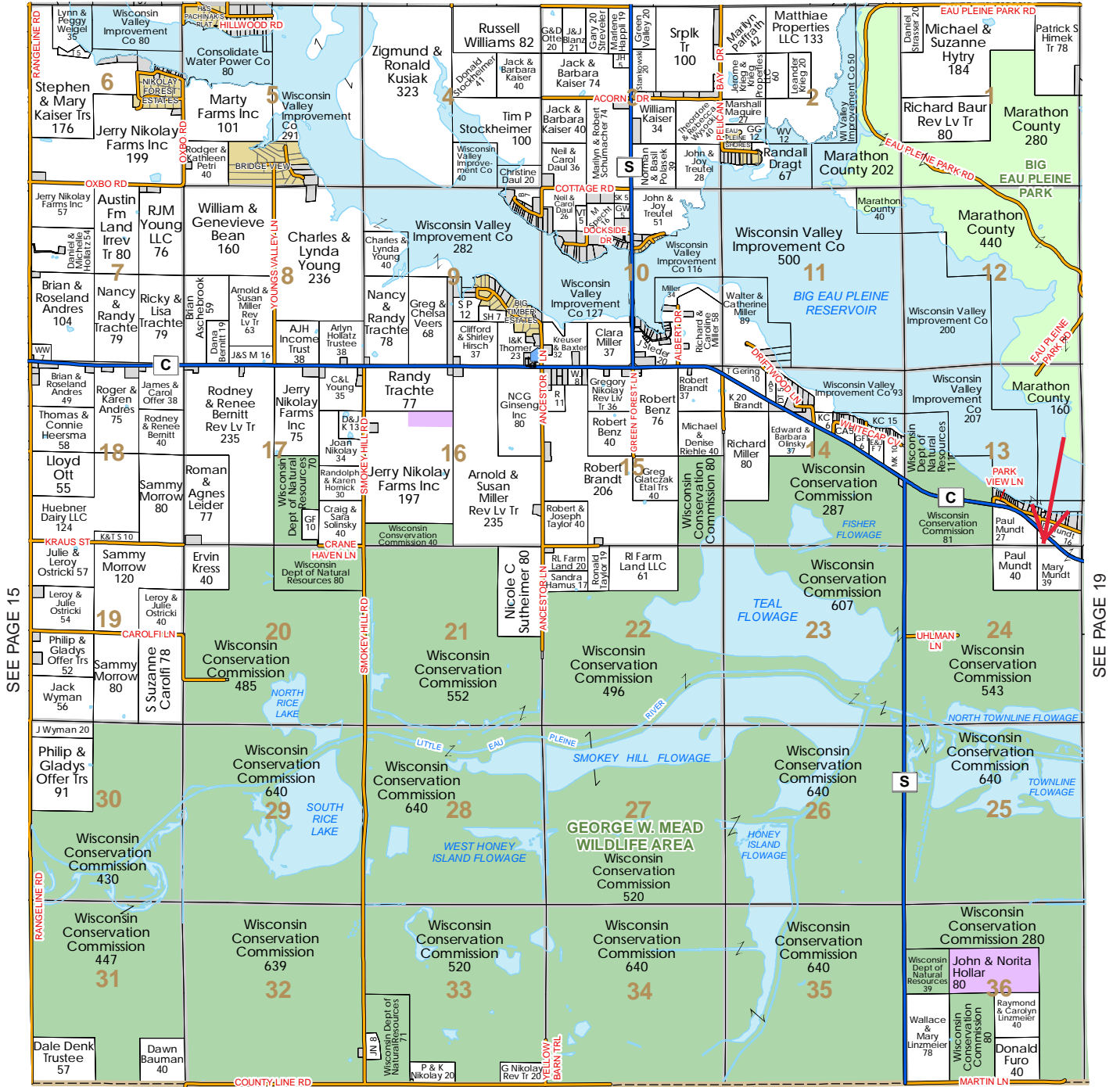


Green Valley

Township 26N - Range 5E

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SEE PAGE 35



WOOD COUNTY

SWIDERSKI EQUIPMENT INC SEI
 Mosinee Wausau Thorp Antigo Waupaca
 swiderskiequipment.com

STATE OF WISCONSIN)
MARATHON COUNTY)
TOWN OF GREEN VALLEY)

RESOLUTION ON ZONING ORDINANCE AMENDMENT

TO THE MARATHON COUNTY ENVIRONMENTAL RESOURCES COMMITTEE

I, Dana Solinsky, Clerk of the Town of Green Valley, Marathon County, State of Wisconsin, do hereby certify that the following is a true and correct copy of a resolution adopted by the Town of Green Valley Town Board at a meeting held on the 10 day of March, 2020.

RESOLUTION

WHEREAS, Section 59.69(5)(e)3., Wisconsin Statutes, provides that if a town affected by a proposed amendment disapproves of the proposed amendment, the town board may file a certified copy of a resolution adopted by such board disapproving of the petition with the Environmental Resources Committee prior to, at or within ten (10) days after the public hearing, and

WHEREAS, if the town board of the town affected in the case of an ordinance relating to the location of boundaries of districts files such a resolution, the Environmental Resources Committee may not recommend to the County Board approval of the petition without change, but may only recommend approval with change or recommend disapproval.

NOW, THEREFORE BE IT RESOLVED that the Town of Green Valley Town Board considered on the 10 day of March, 2020, petition by Paul Mundt on behalf of Mary Mundt and Delores Mundt (Life Est.) to amend the Marathon County Zoning Ordinance from G-A General Agriculture, to L-D-R Low Density Residential and N-C Neighborhood Commercial described as part of the NE ¼ of the NE ¼ Section 24, Township 26N, Range 05 East and the SE ¼ of the SE ¼ of Section 13, Township 26 North, Range 05 East, Town of Green Valley. Proposed area to be rezoned to N-C is described as Lot 1 (2.150 acres) on the Preliminary CSM submitted by Tim Vreeland. The area proposed to be rezoned to L-D-R is described as Lot 2 (1.048 acres) on the Preliminary CSM submitted by Tim Vreeland. Part of parent parcels PIN# 030-2605-241-0999 and PIN # 030-2605-134-0956.

The Town of Green Valley hereby has considered the following standards for rezoning above property (*use additional sheets if necessary*):

- 1) **Has the applicant provided what public facilities and/or services currently serve the proposed development, what additional services may be required, and how the additional services will be provided?**
 No Yes Explain: _____
- 2) **Has the applicant demonstrated how the provision of the public facilities will not be an unreasonable burden to local government?**
 No Yes Explain: _____
- 3) **Has the applicant determined that the land is suitable for the development proposed? Explain.**
 No Yes Explain: _____
- 4) **Has the applicant demonstrated what will have to be done so the development will not cause unreasonable air and water pollution, soil erosion, or adverse effects on rare or irreplaceable natural areas? Explain.**
 No Yes Explain: _____
- 5) **Is there any potential for conflict with existing land uses in the area?**
 No Yes Explain: _____

(OVER)

- 6) Has the applicant demonstrated the need for the proposed development at this location? Explain.
 No Yes Explain: _____
- 7) Has the applicant demonstrated the availability of alternative locations? Be specific
 No Yes Explain: _____
- 8) Is cropland is being consumed by this zone change? What is the productivity of the agricultural lands involved?
 No Yes Explain: _____
- 9) Has the applicant explained how the proposed development will be located to minimize the amount of agricultural land converted?
 No Yes Explain: _____
- 10) Is proposed rezone request consistent with the town's adopted Comprehensive Plan? Explain.
 No Yes Explain: _____
- 11) Is there anything else the Town wishes to present or comment on regarding this application to the Marathon County Environmental Resources (ERC) Committee?
 No Yes Explain: _____

The Town of Green Valley recommends: **Approval** **Disapproval** of the amendment and/or zone change.

OR **Requests an Extension*** for the following reasons: _____

*Wis. Stats §59.69(5)(e), (3), and (3m) authorizes Towns to extend the time to disapprove a zone change for a total of thirty (30) days beyond the date of the public hearing. The extension must be by Town Board Resolution and remains in effect until the Town Board adopts a resolution rescinding the extension.

Clerk Dora Saleniz
 Town Board Philip Offe
Michael Mysine

NOTE: If you recommend disapproval of this request, please make every effort to send a representative to the Environmental Resources Committee Public Hearing. Town input at the hearing is always appreciated. Please return this form before March 25, 2020 to:

Marathon County Conservation, Planning and Zoning Department
 210 River Drive
 Wausau, WI 54403



**Mary Mundt and Delores Mundt (Life Est.)
Petition to Rezone Land
Staff Report
Environmental Resources Committee**

Findings of Fact

REQUEST:

The petition of Paul Mundt on behalf of Mary Mundt and Delores Mundt (Life Est.) to amend the Marathon County Zoning Ordinance to rezone lands from G-A General Agriculture to L-D-R Low Density Residential and N-C Neighborhood Commercial described as part of the NE ¼ of the NE ¼ Section 24 and the SE ¼ of the SE ¼ of Section 13, Township 26 North, Range 05 East, Town of Green Valley. Proposed area to be rezoned to N-C is described as Lot 1 (2.150 acres) on the Preliminary Certified Survey Map (CSM) submitted by Tim Vreeland. The area proposed to be rezoned to L-D-R is described as Lot 2 (1.048 acres) on the Preliminary CSM submitted by Tim Vreeland. Part of parent parcels PIN# 030-2605-241-0999 and PIN # 030-2605-134-0956.

EXISTING ZONING DISTRICT:

G-A: General Agricultural. The purpose of the G-A district is designed to foster the preservation and use of agricultural land related uses and to provide for limited residential uses in a rural environment but not the division of land as classified in 18.07(2) and (3) into five or more tracts, parcels or lots within a five year period. This district provides for limited residential development with modest densities that require relatively large land areas that are compatible with the surrounding rural land use activities. The district is intended to provide towns with multiple options to guide growth and development in concert with the comprehensive planning efforts.

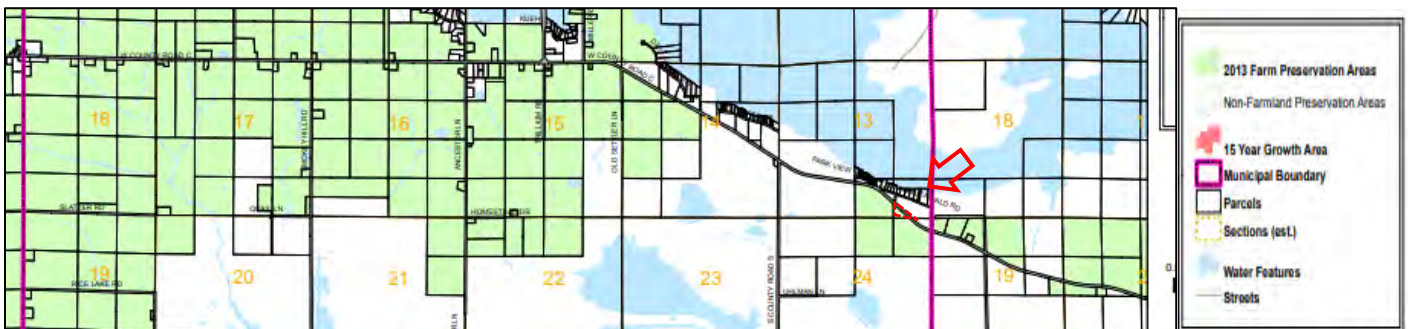
PROPOSED ZONING DISTRICT(S):

L-D-R: Low Density Residential District. The purpose of the L-D-R district is to accommodate single-family residential use along existing streets and to promote single-family residential development (involving the extension of new streets) where sanitary sewer and municipal water may be available. The densities are intended to provide for areas of suburban character in the community and to prevent excessive demands on sewerage and water systems, streets, schools, and other community facilities. The districts are intended to avoid overcrowding by requiring certain minimum yards, open spaces, and site area while making available a variety of dwelling types and densities to serve a wide range of individual requirements and thereby providing a more orderly and efficient extension of public facilities.

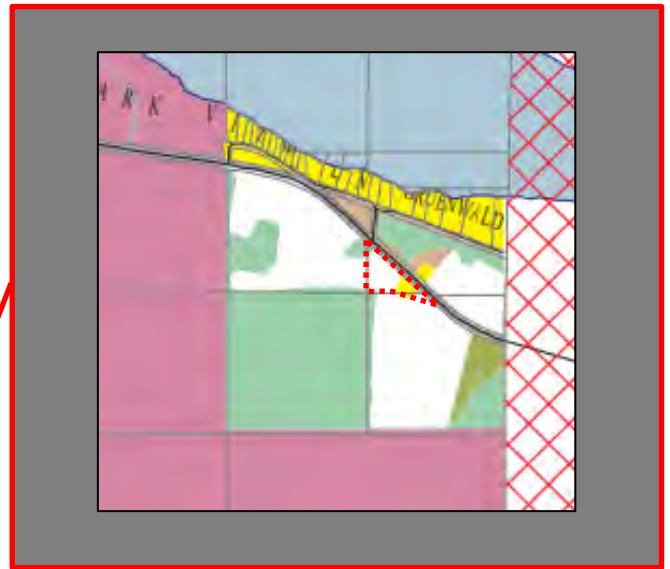
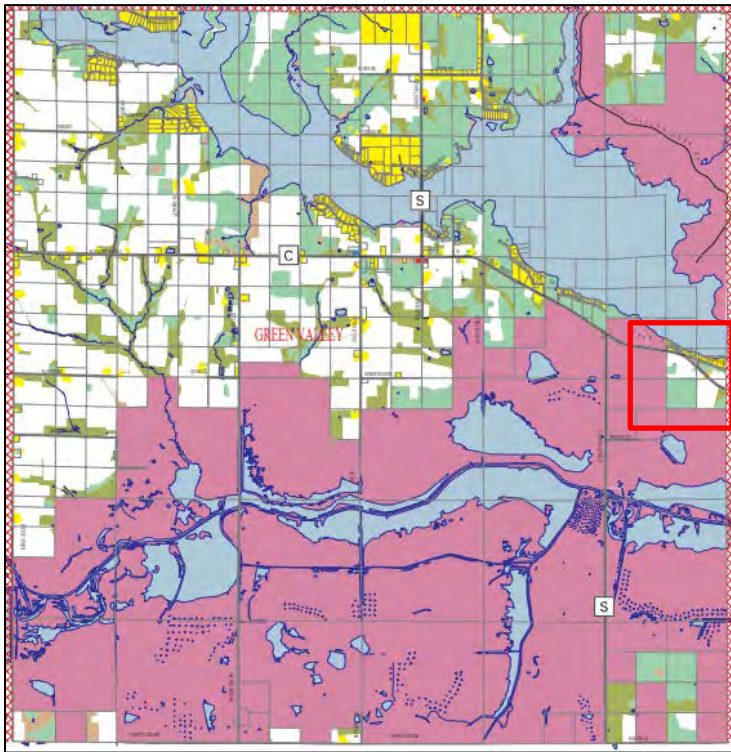
&

N-C: Neighborhood Commercial District. The purpose of the N-C district is to accommodate the wide range of retail stores and personal service establishments which cater to frequent recurring needs.

FARMLAND PRESERVATION PLAN: This parcel was designated as a farmland preservation area in the Farmland Preservation Plan in 2013 but was not zoned farmland preservation. Designating this land as a farmland preservation (FP) area would have indicated the land consists of prime agricultural land and supports the agriculture economy. Large areas of the town are also designated as FP areas but are not zoned Farmland Preservation nor participate in the program(s).

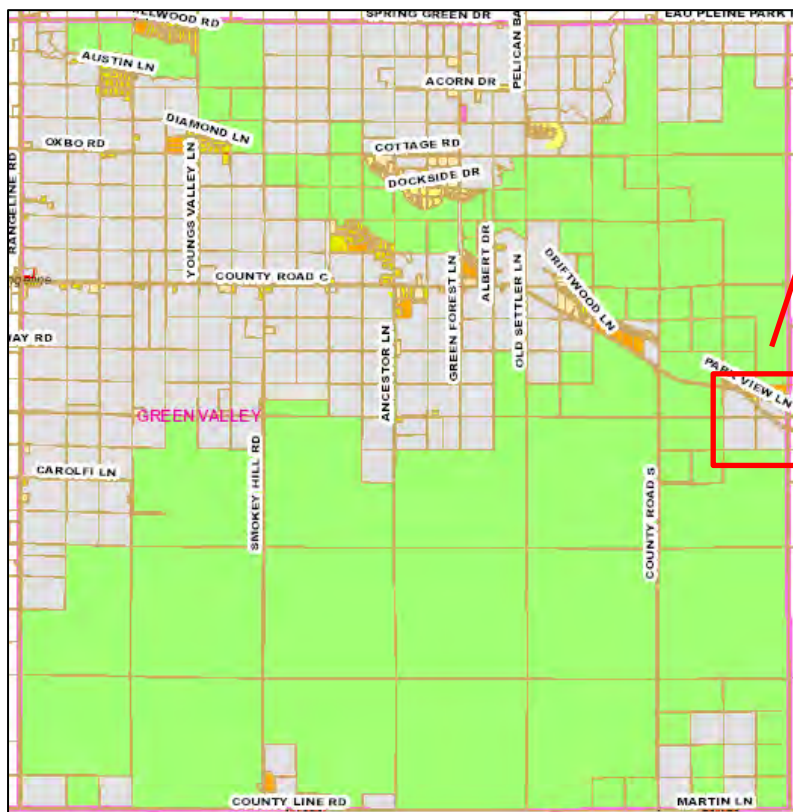


TOWN COMPREHENSIVE PLAN FUTURE LAND USE: The areas proposed to be rezoned are identified as Crop Land and Single Family Residential Land Uses in the Town of Green Valley's Comprehensive Plan Future Land Use Map (2006). The adjacent lands are primarily comprised of a large recreational lands (purple), Forest Land (green), Crop Land (white), and Single Family Residential (yellow) Land Uses.



- | | | |
|---------------------------|---------------------|----------------|
| Single Family Residential | Other Agriculture | Transportation |
| Commercial | Forest Land | Water |
| Barren | Public/Quasi-Public | |
| Crop Land | Recreational | |

EXISTING ZONING DISTRICT MAP: As previously stated the area proposed to be rezoned is currently zoned G-A, as well as is surrounded by parcels zoned G-A. There is what appears to be a residential neighborhood just north of the area in question with parcels zoned Urban Residential (UR) with one Rural Estate (R-E) zoned parcel to the north east. As previously indicated there is a large recreational area covering most of the town of Green Valley which is zoned Conservation/Recreation (C-V/R-C)

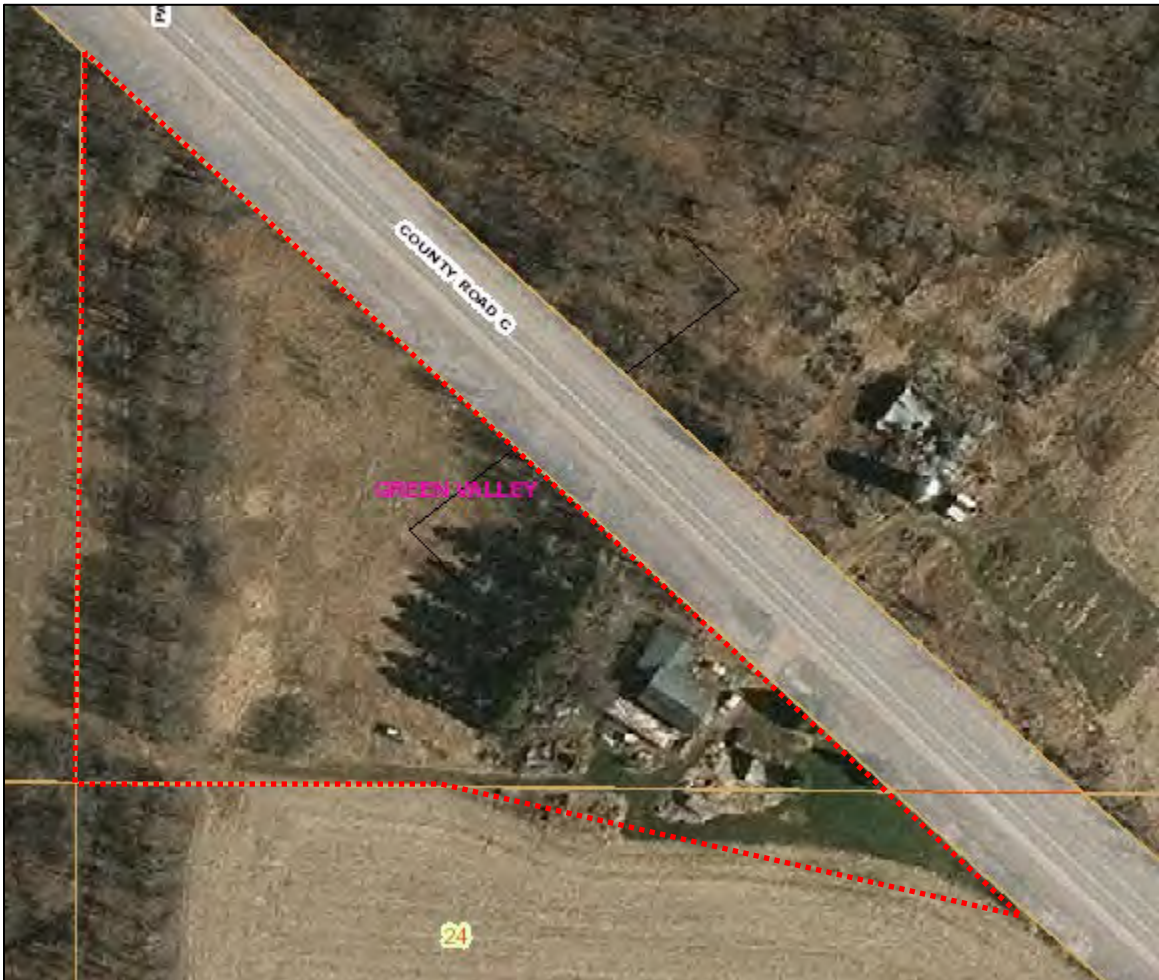


- | |
|-------------------------------------|
| U-R (Urban Residential) |
| L-D-R (Low Density Residential) |
| R-R (Rural Residential) |
| R-E (Rural Estate) |
| M-H (Manufactured/Mobile Home Park) |
| C (Commercial Regional) |
| N-C (Neighborhood Commercial) |
| B-R (Business Regional) |
| L-I (Light Industrial) |
| H-I (Heavy Industrial) |
| G-A (General Agriculture) |
| F-P (Farmland Preservation) |
| C-V/R-C (Conservancy & Recreation) |

SIGNIFICANT PARCEL LIMITATIONS OR NATURAL FEATURES: The area proposed to be rezoned has no mapped floodplain or DNR mapped wetlands yet, the parcel in question does appear to be within the shoreland overlay due to its close proximity to the Eau Pleine Flowage.



AERIAL PHOTO: #1



AERIAL PHOTO: #2



Preliminary Certified Survey Map:



SURVEYORS CERTIFICATE

I, TIMOTHY G. VREELAND, PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT AT THE DIRECTION OF PAUL MUNDT, I SURVEYED, MAPPED AND DIVIDED THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 24 AND SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 13, TOWNSHIP 26 NORTH, RANGE 5 EAST, TOWN OF GREEN VALLEY, MARATHON COUNTY, WISCONSIN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION 13; THENCE S 89°23'25" E ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 1298.98 FEET TO THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND TO THE POINT OF BEGINNING; THENCE N 0°35'48" E ALONG THE WEST LINE OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 484.80 FEET TO THE SOUTH LINE OF COUNTY ROAD "C"; THENCE S 47°08'26" E ALONG THE SOUTH LINE OF COUNTY ROAD "C" 812.64 FEET; THENCE N 80°26'53" W 396.24 FEET TO THE SOUTH LINE OF THE SOUTHEAST 1/4; THENCE N 89°23'25" W ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 210.00 FEET TO THE POINT OF BEGINNING. SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND RIGHTS OF WAY OF RECORD AND USE.

THAT SUCH MAP IS A CORRECT REPRESENTATION OF ALL EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND THE DIVISION AND THE CERTIFIED SURVEY MAP THEREOF MADE.

THAT I HAVE FULLY COMPLIED WITH SECTION 236.34 OF THE WISCONSIN STATUTES IN SURVEYING, MAPPING AND DIVIDING THE LANDS, CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE AND THE LAND DIVISION ORDINANCE OF MARATHON COUNTY AND THE TOWN OF GREEN VALLEY, ALL TO THE BEST OF MY KNOWLEDGE AND BELIEF IN SURVEYING, DIVIDING AND MAPPING THE SAME.

TOWN RECOMMENDATION:

The **Town of Green Valley** Town Board met on March 10th, 2020 in regard to the rezone in question and recommended Approval to the Marathon County Environmental Resources Committee with no additional comments or questions.

11) Is there anything else the Town wishes to present or comment on regarding this application to the Marathon County Environmental Resources (ERC) Committee?
 No Yes Explain: _____

The Town of Green Valley recommends: **Approval** **Disapproval** of the amendment and/or zone change.

OR **Requests an Extension*** for the following reasons: _____

*Wis. Stats §59.69(5)(e), (3), and (3m) authorizes Towns to extend the time to disapprove a zone change for a total of thirty (30) days beyond the date of the public hearing. The extension must be by Town Board Resolution and remains in effect until the Town Board adopts a resolution rescinding the extension.

Clerk: Dora Salvo
Town Board: Philip Offe
Mike Myers

STAFF (CPZ) RECOMMENDATION(S):

If approved the Town of Green Valley should updated their comprehensive plan future land use maps to reflect the proposed rezone to Low Density Residential (L-D-R) and Neighborhood Commercial (N-C) from General Agriculture (G-A) as well as should reflect the single family residential use already taking place onsite. The rezone and the two proposed parcels meet all the zoning district standards as it relates to size, frontage, access, and dimension. The remnant parcels will be greater than 10 acres in size which meet the requirements of the G-A zoning district. The rezone petition minimizes the agricultural lands converted as no active farmland will be converted.

Recommendation:

Based on the information provided and the Town of Green Valley's input, CPZ staff finds the Environmental Resources Committee should recommend Approval to the Marathon County Board of Supervisors.



Case: #1
Environmental Resources Committee
Decision Form

Conclusions of Law

Marathon County Environmental Resources Committee (ERC) must consider all of the following standards in their decision. Please review and explain how the request does or does not meet each of these standards.

To approve a rezone, ERC must answer 'agree' to each of these standards. If the ERC recommends approval, but answers 'disagree' to any of these questions, a plan/ordinance changes, and/or additional information is required to satisfy the criteria.

1. The rezoning is substantially consistent with the following plans. *(note how the proposed relates to the future land use plan and the vision, goals, objectives, and policies of the plan)*
- a. [Marathon County](#) Comprehensive Plan
 - b. [Town](#) Comprehensive Plan and,
 - c. Marathon County [Farmland Preservation Plan](#).

Agree disagree insufficient information

2. The location of the proposed development minimizes the amount of agricultural land converted and will not substantially impair or limit current or future agricultural use of other protected farmland.

Agree disagree insufficient information

3. The applicant has demonstrated that...

- a. There is a need for the proposed development,
- b. Adequate public facilities are present or will be provided *(note impacts on roads, water, sewage, drainage, schools, emergency services, etc.)*, and
- c. Providing public facilities will not be an unreasonable burden to the local government.

Agree disagree insufficient information

4. The rezoning will not cause unreasonable air and water pollution, soil erosion, or adverse effects on rare or irreplaceable natural areas.

Agree disagree insufficient information

5. The Town has approved the proposed rezone of the property.

Agree disagree insufficient information

6. All concerns from other agencies on the proposed rezone have been addressed? *(DNR, Highway, DOT)* What are the concerns?

Agree disagree insufficient information

Environmental Resources Committee Decision

On the basis of the above findings of fact, conclusions of law, and the record in this matter, the Marathon County Environmental Resources Committee finds that the rezoning is:

- Approved Motion/ Second
- Denied, for the following reasons
- Tabled for further consideration

Specify reasons for denial, or additional information requested:

- An amendment to the county comprehensive plan is needed to approve this petition.
- An amendment to the county farmland preservation plan is needed to approve this petition.

Describe recommended amendments:

Signature:

Chairman: _____

PARTICIPATION IN STATE MOTORIZED RECREATION TRAIL AIDS PROGRAMS

WHEREAS, Snowmobile and ATV clubs in Marathon County have acquired easements and developed trails on private land for public snowmobile and all-terrain vehicle (ATV) trail use; and

WHEREAS, Marathon County has designated lands that it manages for public snowmobile, ATV and utility terrain vehicle (UTV) trail use; and

WHEREAS, said public trails are eligible for grant funds pursuant to provisions of 23.09(26) and 23.33 of the Wisconsin statutes for development, maintenance, administration, or other costs.

NOW, THEREFORE BE IT RESOLVED that the Marathon County Board of Supervisors does hereby authorize the Wausau and Marathon County Parks, Recreation, and Forestry Department's Motorized Recreation Coordinator and/or the departments Designee to perform all required administrative tasks necessary to allow the snowmobile and ATV clubs of Marathon County to fully participate in the State of Wisconsin's motorized recreation trail aids programs.

Dated this ____ day of _____, 2020.

MARATHON COUNTY PARK COMMISSION

ENVIRONMENTAL RESOURCES COMMITTEE

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

CHAPTER 700

ROADS AND ACCESS

<u>Section</u>	<u>Subject</u>	<u>Page</u>
700	ACCESS CONTROL & HISTORY	2
705	CHAPTER OBJECTIVES	3
710	ROADS	4
710.1	PERMANENT PRIMARY FOREST ROADS.....	4
710.2	PERMANENT SECONDARY FOREST ROADS	6
	710.2.1 Permanent Secondary Forest Road Additions	6
710.3	TEMPORARY ROADS.....	7
710.4	STATE, COUNTY, TOWN DRIVEWAY PERMITS.....	7
	710.4.1 State Highways	7
	710.4.2 County Highways	7
	710.4.3 Town Roads	7
710.5	UTILITIES	8
710.6	CULVERTS.....	8
715	RESTRICTED ACCESS AREAS	8
720	WILD LAKES	9
725	ROAD CONSTRUCTION BEST MANAGEMENT PRACTICES FOR WATER QUALITY...	9
730	SIGNS	9
730.1	SIGNING STANDARDS	9

700 ACCESS CONTROL AND HISTORY

Resource management, protection activities, recreational uses, and other public uses on the Marathon County Forest require several different types of access. Since the Forest is large and diverse, a broad network of access opportunities have developed. A combination of geography, soils, vegetation, surface waters, seasons of the year, presence/absence of roads or trails, ownership of adjoining lands, and public regulations interact to control access to any part of the Forest.

During the 1970's, Marathon County created a policy to gate or berm most roads and trails intersecting with Town, County or State roads. The policy was to prohibit vehicular traffic except on designated trails and to prevent resource damage. About the same time, the County designated snowmobile trails using existing logging roads and opened gates in the winter for this recreational pursuit. In the late 1980's, the County also designated 14 miles of ATV trails in the Burma Forest Unit. Some of the trails were closed to ATV's because they were located in lowland areas to prevent resource damage. Currently, about 11 miles of trails are designated for ATV use. During the last three planning processes, 1986-1995, 1996-2005, and 2006-2020 there was overwhelming support by County residents to continue this gating and designated trail policy.

Many of the existing roads and trails were originally developed as logging roads, forest fire protection lanes, or trails used to reach popular hunting and fishing areas. The locations and standards for these earlier roads were not routinely established by County personnel.

Over the years, the road density and use of Forest roads and trails on the Forest has increased in response to an expanding number of recreational activities and to an active timber harvest program. Often times, different uses have occurred on the same trails with minimal conflicts. But the diverse demands for, and uses of, the County Forest have reached the point where an integrated access management plan is needed.

LIST OF PROBLEM AREAS AND REASONS FOR ACCESS PLANNING

User conflict between groups: Example, hunting on foot versus use of ATV's for disabled hunting.

Safety: Example, pleasure riding of horses on the same trail with ATV vehicle traffic or hiking.

Erosion: Soils eroding due to use or over-use by vehicles.

Litter: Depositing garbage and waste on the Forest.

Over-utilization of a resource: Example, reduced availability of trophy-sized deer, excessive harvest of ruffed grouse along trails, etc.

Crowding: Example, complaints from hunters about intensified competition for traditional hunting areas as a result of better access.

Fires: Example, increased exposure of the resource to forest fire occurrence.

Endangered species management: Example, high road densities conflict with eagle and osprey nest disturbance.

Invasive species: Example, introduction of invasive exotic species along travel routes.

Developmental trends: Example, preservation of the County Forest solitude by limiting access versus development of high intensity use by additional roads and unlimited access.

Road placement: Example, some roads should be closed for improper location and evaluated for replacement.

Clear and concise policy for the public.

705 CHAPTER OBJECTIVES

1. Provide direction to the committee and resource managers in order to maintain a network of roads and trails on the County Forest. This will meet the needs for resource management and protection activities, as well as provide public access for recreation opportunities.
2. Identify the distribution, density, and types of roads and uses of roads and trails needed to establish a safe and efficient transportation and recreation system that complements the economic, environmental, and social interest in the County Forest.
3. Identify the existing and future County Forest roads eligible for transportation aids under s. 86.315(1), Wis. Stats.
4. Identify areas on the County Forest where the access is limited or restricted.
5. Identify the provisions and criteria that will be policy when addressing management issues on the County Forest.

710 ROADS

Marathon County Parks and Forest staff will oversee the construction and maintenance of all roads within the County Forest. These roads may be constructed and maintained by the County or private contractors working under contract. The specifications for road construction and maintenance will vary with the frequency, duration, and planned use of each road. Three major types of roads occur on the Forest: permanent primary roads, permanent secondary roads, and temporary roads.

New road establishment should consider information identifying areas with sensitive soils or severe slopes that have the potential for adverse water quality impacts from land management practices. County staff can work with local DNR forest hydrologists to develop site-specific measures where appropriate and to follow all required permitting processes when applicable.

The forest should have enough roads to provide sufficient access, without degrading water resources, while still maintaining recreational experiences. Program evaluation of road infrastructure will continuously occur.

710.1 PERMANENT PRIMARY FOREST ROADS (County Forest Roads)

These roads are the primary roads accessing the County Forest. They are designed, constructed, and maintained for year-round use. These roads serve as essential access corridors for multiple use management. These roads are graveled and routinely graded. Vehicle use may be restricted at various times of the year to minimize physical damage to the road, safety reasons, to accommodate a groomed snowmobile trail or recreational events. Closing of these roads will be for the shortest possible time due to the law requiring that they be open to the public.

Forest roads in this category qualify for the County Forest Road Aids program. Qualifying roads in this program must meet minimum design standards set by WI Statute Section 86.315 (4) (a) and 86.315 (3) and administered by WI DOT. A yearly aid payment is used to maintain and improve these certified public roads. The following table lists the roads currently certified under s. 86.31(1), Wis. Stats.

MARATHON COUNTY CURRENT AND FUTURE WDOT CERTIFIED

TOWNSHIP	SECTION	LENGTH (MI)	ROAD NAME/COMMENTS
Guenther	Sec. 11, T26N-R8E	.77	County Forest 505 Road
Guenther	Sec. 12, 13, T26N-R8E	.18	County Forest 510 Road
Harrison	Sec. 4, T30N-R10E	.81	County Forest 112 Road
Harrison	Sec. 7, T30N-R10E	.13	County Forest 105 Road
Harrison	Sec. 31, T30N-R10E	.30	County Forest 202 Road
Hewitt	Sec. 1, 2, T30N-R10E	.50	County Forest 101 Road
Hewitt	Sec. 12, T30N-R9E	.13	County Forest 105 Road
Hewitt	Sec. 36, T30N-R9E	.30	County Forest 202 Road
Marathon	Sec. 36, T28N-R6E	.51	County Forest 702 Road
Reid	Sec. 6, T27N-R9E	.13	County Forest 303 Road
Rib Mountain	Sec. 29, 30, 32, 33, T28N-R7E	2.60	County Forest 707 Road
Ringle	Sec. 31, T28N-R9E	.12	County Forest 303 Road
TOTALS		6.48	

These permanent primary roads will be maintained and open to the public.

Maintenance on primary forest roads receiving County Forest road aid payments will include a monitoring program, which will ensure that Best Management Practices for Water Quality (BMPs) are providing adequate environmental protection, and drainage structures are in proper working condition. Such monitoring will be ongoing, at regular intervals as needed. Road segments with more intensive use will be identified and examined more frequently to verify that water quality protection structures have not been degraded. Monitoring results will be documented and will be used to assist with locating portions of road that have more recurrent repair needs. Restoration of failing structures will be done in a timely manner to assure that BMP standards are being upheld.

The Wisconsin County Forests Association (WCFA) will continue to pursue additional funding for maintenance on primary forest roads receiving road aid payments. County forest management is met with the current primary forest road system. No additional permanent primary roads are needed at this time.

During certain times, primarily spring break up, the Parks and Forestry Department may post roads as Class B to limit damage. County Forest 707 Road in the Town of Rib Mountain will be the only permanent primary road snowplowed. All other permanent primary roads lead in to forest parking areas and will not be snowplowed by the Parks, Recreation and Forestry Department. The map of the permanent primary forest roads is located in the appendix.

710.2 PERMANENT SECONDARY FOREST ROADS

Secondary roads are maintained for three season access (summer, fall, winter) to accomplish forest management, wildlife management, fire protection, and provide recreation. These roads are maintained as part of a permanent road system but are often narrower than permanent primary roads and are built and maintained to lower standards. Some of these roads are designed for use only when the ground is frozen or firm. The roads will be blocked, gated, and/or signed. All secondary roads are closed to public motorized use except by permit or as otherwise designated by the Committee. The map of the permanent secondary roads is in the appendix.

In instances where motorized traffic is restricted, vehicle access will only be authorized for planned management activities or fire protection. Foot traffic is allowed on all roads.

710.2.1 Permanent Secondary Forest Road Additions

New access roads will be evaluated by the Forest Administrator before being classified as a permanent secondary road. Consideration will be given to distribution by geographic unit, road density, and need as it relates to potential use, and available funding for long-term road maintenance. In the interest of resource protection, all access roads which are not needed may be bermed or blocked to restrict all but non-motorized traffic.

710.3 TEMPORARY ROADS

Many of the roads on the Forest fall into this classification. These roads are designed and constructed for short-term use for a specific project; often for timber harvest access. These roads are used only for a short

duration and when the activity is done, the temporary road is closed. These roads are naturally or artificially revegetated and closed by use of earthen berms/bunkers or other physical barriers. In some cases, roads are completely closed with slash and debris to prevent future use and to encourage natural regeneration of trees.

Temporary roads on existing and past sales will be considered for closure. Reasons will include protection of perpetually wet soils, human safety, and prevention of illegal dumping.

The need for new temporary roads will be evaluated on a case-by-case basis. Road locations will be included in designing timber harvests. Consideration will be given to the objectives within each County Forest unit, existing road density, potential use, and soil type.

710.4 STATE, COUNTY, TOWN DRIVEWAY PERMITS

710.4.1 State Highways

Wisconsin Department of Transportation (DOT) requires permits for permanent and temporary driveways on State highways. The County will track and retain permit records and work with local DOT officials for access.

710.4.2 County Highways

Driveway permits are issued by officials of the Marathon County Highway Department and are required for all access onto a County highway. New roads that intersect County highways must have the intersections approved by the Highway Department prior to construction and cleared of all unsightly debris at the time of construction. The contractor is responsible to apply, pay all fees and obtain all approvals. The contractor also agrees to fully comply with all terms and conditions of intersection approvals.

710.4.3 Town Roads

Driveway permits are issued by officials of the Towns and may be required for access onto a Town road. New roads that intersect Town roads must have the intersections approved by the Town prior to construction and cleared of all unsightly debris at the time of construction. The contractor is responsible to apply, pay all fees and obtain all approvals. The Contractor also agrees to fully comply with all terms and conditions of intersection approvals.

710.5 UTILITIES

In 2004 Marathon County and Wisconsin Public Service Corporation entered into a utility construction and maintenance agreement for the Arrowhead to Weston Transmission Line Project. As part of this agreement a perpetual easement and Right-Of-Way for the erection, maintenance and operation of a high voltage powerline was also modified to allow electric utility operations across Nine Mile County Forest. Additionally, there are numerous other transmission line easements that allow for high voltage transmission lines to cross County Forest lands. An easement in Nine Mile Forest for an underground pipeline that allows the transportation of liquids, gasses and/or solids was signed with Williams Pipe Line Company in 1967. See Chapter 500, Section 520.5 for policy on public utilities.

710.6 CULVERTS

In many cases culverts are needed in all three classifications of roads that are on the County Forest when dealing with drainages, wetlands and stream crossings. Some of these are temporarily placed culverts that are used during a specific project then removed, while others are permanent structures.

In all instances, culverts should be placed according to required DNR permitting procedures and will follow BMP's for culverts that can be found in chapters 4 and 5 of the WI BMP's for Water Quality PUB FR-093 2010.

Routine maintenance of these structures should also be completed to make sure structures are adequately working. The County may want to consider documenting the location of culverts on the forest and provide a list of the culverts that should be routinely checked.

715 RESTRICTED ACCESS AREAS

In addition to providing trails for motorized vehicle use, the Forest may also provide and designate areas where motorized equipment is not permitted unless authorized by the Committee. The principal intent of these areas is to prevent environmental damage to sensitive areas, protect historical or archeological sites, protect endangered and threatened species, provide for human safety and provide areas for quiet, secluded recreation. There are currently no restricted access areas on the Marathon County Forest.

720 WILD LAKES

There are no wild lakes on the Marathon County Forest.

725 ROAD CONSTRUCTION BEST MANAGEMENT PRACTICES FOR WATER QUALITY

The layout and construction of any new road or trail situated on the County Forest shall adhere to *Wisconsin's Best Management Practices for Water Quality* (PUB-FR-093 2010). This access management plan addresses the need and diversity level of forest roads and trails within the County Forest. The BMP Manual provides guidelines for road construction. Soil disturbance activities in highly erodible soil areas may require mitigating measures in excess of those currently listed in the Best Management Practices manual PUB-FR-093 2010. Wider buffers, sediment control structures and water diversion techniques will be used as appropriate in these sensitive areas. Best Management Practices will be followed on all projects or activities that occur on County Forest lands.

730 SIGNS

Signs on the County Forest will be used discreetly to perform and function with minimal disruption to the multiple uses of the Forest. Private signs promoting personal, commercial or political objectives will not be permitted without authorization from Marathon County. Signs erected by the County for management purposes or by non-profit recreational trail groups will be as follows:

1. Informational Type Signs
 - a. Interpretive Signs - to educate the general public about forest management practices.
 - b. Public Land Signs - to identify the land as Marathon County Forest property.
 - c. Trail Markers - to provide direction and safety to trail users.
 - d. Scientific, Historical or Geological Markers - to identify points of interest.
 - e. Recreational Facility Markers - to identify park entrances, etc.
 - f. Directional Markers.
2. Regulatory Type Signs - to regulate the use of the Forest in specific areas.

730.1 SIGNING STANDARDS

To assure that signs will serve a purpose without damaging aesthetics, the following standards will be maintained:

1. All signs will be mounted on treated wood posts, carbide posts, or steel backed wooden posts. NO signs will be nailed or fixed in any other way to living trees.
2. Routed wood signs will be used wherever practical. Fiberboard or painted metal signs, when used,

will be of neat appearance.

3. Signs placed on snowmobile/ATV/UTV trails must conform to State standards and be approved by the Committee.
4. All authorized signs shall be protected by ordinance from being damaged, defaced, obstructed, removed, or possessed by unauthorized persons.
5. All unauthorized signs will be removed by the Parks and Forestry staff. No compensation will be afforded for loss or damage to signs during removal. Individuals erecting unauthorized signs may be prosecuted under s. 943.13(3), Wis. Stats.

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

CHAPTER 800

INTEGRATED RESOURCE MANAGEMENT

<u>Section</u>	<u>Subject</u>	<u>Page</u>
800	CHAPTER OBJECTIVES.....	5
805	INTEGRATED RESOURCE MANAGEMENT APPROACH.....	5
810	SUSTAINABLE FORESTRY.....	6
	810.1 TOOLS IN INTEGRATED RESOURCE MANAGEMENT.....	6
	810.1.1 Compartment Recon	6
	810.1.2 Forest Habitat Classification System	6
	810.1.3 Soil Surveys	7
	810.1.4 Ecological Landscapes of Wisconsin.....	7
	810.1.5 Integrated Pest Management.....	7
	810.1.6 Best Management Practices for Water Quality	8
	810.1.7 Fire Management	8
	810.1.7.1 Uncontrolled Fire	8
	810.1.7.2 Prescribed Fire	8
	810.1.8 Outside Expertise, Studies and Survey	9
	810.1.9 Local Silvicultural Field Trials	9
815	MANAGEMENT CONSIDERATIONS TO REDUCE LOSS	10
	815.1 RISK FACTORS	10
	815.1.1 Wind	10
	815.1.2 Flooding.....	10
	815.1.3 Fire.....	11
	815.1.4 Climate Change.....	11
	815.1.5 Timber Markets.....	11
820	PLANT COMMUNITIES MANAGEMENT	11
	820.1 SILVICULTURAL PRACTICES/TREATMENTS	12
	820.1.1 Natural Regeneration	12
	820.1.1.1 Clearcutting/Coppice.....	12
	820.1.1.2 Shelterwood / Seed Tree	12

820.1.1.3	All Aged Regeneration Harvests.....	13
820.1.1.4	Prescribed Burning.....	13
820.1.1.5	Soil Scarification.....	13
820.1.1.6	Other.....	13
820.1.2	Artificial Regeneration.....	13
820.1.2.1	Mechanical Site Preparation.....	14
820.1.2.2	Chemical Site Preparation.....	14
820.1.2.3	Prescribed Burning.....	14
820.1.2.4	Tree Planting / Seeding.....	14
820.1.3	Intermediate Treatments.....	15
820.1.3.1	Mechanical Release.....	15
820.1.3.2	Chemical Release.....	15
820.1.3.3	Non-Commercial Thinning (TSI).....	15
820.1.3.4	Thinning / Intermediate Cuts.....	15
820.1.3.5	Pruning.....	16
820.2	SILVICULTURAL PRESCRIPTIONS.....	16
820.2.1	Even-Aged Management.....	16
820.2.1.1	Aspen.....	16
820.2.1.2	Red Pine.....	16
820.2.1.3	Red Oak.....	17
820.2.1.4	Red Maple.....	17
820.2.2	Uneven-Aged Management.....	17
820.2.2.1	Northern Hardwood.....	18
820.3	LOCALLY UNCOMMON TREES / FOREST TYPES.....	18
820.3.1	American Elm.....	18
820.3.2	Butternut.....	18
820.3.3	Eastern Hemlock.....	19
820.4	FOREST TYPES REQUIRING INTENSIVE EFFORT TO REGENERATE.....	19
820.4.1	White Birch.....	19
820.4.2	Northern Red Oak.....	19
820.5	INVASIVE PLANT SPECIES OF CONCERN.....	19
820.6	LEGALLY PROTECTED AND SPECIAL CONCERN PLANT SPECIES.....	20
820.7	TREE RETENTION GUIDELINES.....	20
820.8	BIOMASS HARVESTING GUIDELINES.....	21

825	ANIMAL SPECIES MANAGEMENT	21
825.1	TECHNICAL PLANNING	21
825.2	GUIDELINES.....	22
825.3	INVENTORY	22
825.4	PROJECTS FUNDING	22
825.5	RESOURCE MANAGEMENT CONSIDERATIONS FOR WILDLIFE.....	23
825.5.1	General Management Policies	23
825.6	IMPORTANCE OF HABITATS.....	23
825.6.1	Non-forested Wetlands	23
825.6.2	Aquatic Habitats.....	24
825.6.3	Riparian and Other Non-managed Areas.....	24
825.6.4	Early Successional Forests.....	24
825.6.5	Conifers.....	24
825.6.6	Oak Management.....	24
825.6.7	Uneven/All-aged Management	25
825.6.8	Large Forest Blocks	25
825.6.9	Grasslands, Openings, Upland Brush	25
825.6.10	Lowland Brush/Alder.....	25
825.6.11	Forest Game Species.....	25
825.6.11.1	Beaver Management	26
825.6.11.2	Waterfowl Management.....	26
825.7	INTENSIVE WILDLIFE MANAGEMENT PROJECTS.....	26
825.7.1	Wisconsin Wildlife Action Plan / SGCN.....	26
825.7.2	Bern Wetland Management.....	26
825.7.3	Bitzke Waterfowl Management	27
825.7.4	Ruffed Grouse Area Management.....	27
825.8	FISH AND WATERS MANAGEMENT	28
825.8.1	Technical Planning and Surveys	28
825.8.2	Special Projects	28
825.8.3	Shoreland Zoning.....	28
825.8.4	Access and Development	28
825.8.5	Important Water Resources.....	28
825.8.6	County Forest Streams	29
830	EXCEPTIONAL RESOURCES, UNIQUE AREAS	29

830.1	AREAS RECOGNIZED BY STATE OR FEDERAL GOVERNMENT.....	29
830.1.1	Wisconsin State Natural Areas	30
830.1.2	Species Concentration Areas	30
830.1.3	Endangered Species Habitats	30
830.1.4	Rare Communities.....	30
830.2	AREAS RECOGNIZED BY COUNTY OR LOCALLY.....	30
830.2.1	Forests with Old Growth Characteristics	30
830.2.2	Wildlife Sites (Hibernacula, Rookeries, Special Habitats)	31
830.2.3	Savannas, Barrens	31
830.2.4	Geological Features of Significance	31
830.2.5	Waterfalls, Wild Rivers, Wild Lakes	31
830.2.6	Unique Forest Types	31
830.2.7	Locally Significant Sites	31
830.3	CULTURALLY SIGNIFICANT SITES.....	31
830.3.1	Burial Mounds, Cemeteries.....	31
830.3.2	Logging Camps, Dams.....	32
830.3.3	Landmarks.....	32
830.3.4	Other.....	32
835	AESTHETICS	32
835.1	AESTHETIC MANAGEMENT	32
835.2	AESTHETIC MANAGEMENT ZONES	32
835.2.1	Aesthetic Management Zone Examples.....	32
835.2.2	Aesthetic Management Prescriptions/Options.....	33
840	LANDSCAPE MANAGEMENT	33
840.1	CONSERVATION OF BIOLOGICAL DIVERSITY	33
840.2	HABITAT FRAGMENTATION.....	33

800 CHAPTER OBJECTIVES

1. To introduce and communicate to the public, the County Board of Supervisors, and to the Wisconsin DNR, the integrated resource approach that forestry, wildlife and other natural resource staff will use on the Marathon County Forest during this planning period.
2. Counties may wish to consider "Integrated Resource Management Units" (IRMU) approach, that will identify and summarize the natural resources, social and physical management potential and opportunities for each unit.

805 INTEGRATED RESOURCE MANAGEMENT APPROACH

Integrated Resource Management is defined as: "the simultaneous consideration of ecological, physical, economic, and social aspects of lands, waters and resources in developing and implementing multiple-use, sustained yield management" (Helms, 1998).

This balance of ecological, economic, and social factors is the framework within which the Marathon County Forest is managed. This broad definition describes the content of everything within this comprehensive land use plan. Previous chapters have discussed in depth many of the social and economic issues.

For the purpose of this chapter, the scope of Integrated Resource Management includes:

1. Forests, habitats, biological communities
2. Wetlands and waters
3. Wildlife and endangered resources
4. Soils and minerals
5. Cultural and historical resources

Management of one resource affects the management or use of other resources in an area. Managing each use or resource by itself is less effective than managing all of them in an integrated way. This is a field level approach to integrated resource management. Management decisions are made while considering that each site is part of a larger ecosystem. Similarly, the development and implementation of this plan also considers other planning efforts in order to provide for broader scale management.

The working definition of integrated resource management means, in large part, keeping natural communities of plants and animals and their environments healthy and productive so people can enjoy and benefit from them now and in the future.

The remainder of this chapter is written to help communicate how the Forest is managed on an integrated resource approach.

810 SUSTAINABLE FORESTRY

"the practice of managing dynamic forest ecosystems to provide ecological, economic, social and cultural benefits for present and future generations" NR 44.03(12) Wis. Adm. Code and s. 28.04(1)(e), Wis. Stats.

For the purpose of this chapter, sustainable forestry will be interpreted as the management of the Forest to meet the needs of the present without knowingly compromising the ability of future generations to meet their own needs (economic, social, and ecological) by practicing a land stewardship ethic which integrates the growing, nurturing, and harvesting of trees for useful products with the conservation of soil, air and water quality, and wildlife and fish habitat. This process is dynamic, and changes as we learn from past management.

810.1 TOOLS IN INTEGRATED RESOURCE MANAGEMENT

810.1.1 Compartment Recon

The County will support and utilize the compartment reconnaissance procedures as set forth by the DNR Public Forest Lands Handbook 2460.5. WisFIRS serves as the database for housing recon information.

810.1.2 Forest Habitat Classification System

The Forest Habitat Classification System (*A Guide to Forest Communities and Habitat Types of Northern Wisconsin Second Edition; Kotar, et al.*) is a natural classification system for forest communities and the sites on which they develop. It utilizes systematic interpretation of natural vegetation with emphasis on understory species.

The Forest Habitat Classification System is an ecological tool promoting a common language for interpreting site capability based on potential natural vegetation. Its primary use is the assessment of biological potential of upland forest sites. Through the application of Forest Habitat

Classification, land managers are better able to assess site potential of current stands, identify ecological and silvicultural alternatives, predict the effectiveness of possible silvicultural treatments, assess feasible management alternatives, and choose appropriate management objectives.

Data will be collected in order to classify the entire forest. This information should be included in the compartment reconnaissance system during regular field inspections. This data should also be compared to soil survey information in order to associate the relationships between forest habitat types and soil types.

810.1.3 Soil Surveys

Forestry staff's knowledge of forest ecology and their experience across the landscape can assist in associating forest habitat types and site indices with soil type information. These associations can be beneficial in determining management prescriptions for specific sites. WisFIRS contains soil survey data, and this information can also be found on the NRCS website-based soil survey.

810.1.4 Ecological Landscapes of Wisconsin

The Wisconsin DNR uses Ecological Landscapes of Wisconsin (WDNR Handbook 1805.1) which is an ecological land classification system based on the National Hierarchical Framework of Ecological Units (NHFEU). Ecological landscapes distinguish land areas different from one another in ecological characteristics. A combination of physical and biological factors including climate, geology, topography, soils, water, and vegetation are used. They provide a useful tool and insight into ecosystem management. Land areas identified and mapped in this manner are known as ecological units.

Generally accepted silvicultural systems are prescribed on a stand level scale, in recognition of the position within an ecological landscape.

810.1.5 Integrated Pest Management

“The maintenance of destructive agents, including insects, at tolerable levels, by the planned use of a variety of preventive, suppressive, or regulatory tactics and strategies that are ecologically and economically efficient and socially acceptable”.

The Committee has the authority to approve and direct the use of pesticides and other reasonable alternatives in an integrated pest management program on the Forest. Refer to Chapter 600 (610.3) for more detailed discussion and integrated pest management strategies.

810.1.6 Best Management Practices for Water Quality

The most practical and cost-effective method to assure that forestry operations do not adversely affect water quality on the County Forest is to utilize "best management practices" (BMP's) as described in *Wisconsin's Forestry Best Management Practices for Water Quality. Publication number FR-093 2010.*

Consistent with the aforementioned manual (page 6), Marathon County will use BMP's on the Forest with the understanding that the application of BMP's may be modified for specific site conditions with guidance from a forester or other natural resource professional. Modifications will provide equal or greater water quality protection or have no impact on water quality. Areas with highly erodible soil types, close proximity to streams or lakes, or steep slopes may require mitigating measures in excess of those outlined in the manual. All Marathon County employees practicing forestry will receive BMP training. Additionally, Marathon County will encourage BMP training of all logging contractors that operate on County timber sales.

810.1.7 Fire Management

810.1.7.1 Uncontrolled Fire: Refer to Chapter 600.

810.1.7.2 Prescribed Fire

Prescribed burning on the County Forest may play an important role in management. Many of the plant communities present today are the result of wild fires.

As the needs are presented to regenerate or maintain timber types or other plant communities, the Committee will examine the costs and benefits of each opportunity. Increased regulations, the county's cost of completing the burn, and the risk of breakouts and uncontrolled fires will have to be considered with any benefits of vegetation management through prescribed burning.

All prescribed burning will be done in accordance with Wisconsin State Statutes 26.12, 26.14, and the DNR Prescribed Burn Handbook 4360.5 and in cooperation with the Department of Natural Resources per section 605.5 of this plan.

810.1.8 Outside Expertise, Studies and Survey

Additional data necessary to make management decisions on the County Forest will be sought from agencies or individuals, who have the best capability and technical expertise, including, but not limited to:

1. Water Resources: WDNR
2. Wildlife Resources: WDNR
3. Soil Resources: NRCS
4. Mineral Resources: WDNR
5. Wetland Resources: WDNR, Army Corps of Engineers, County Zoning
6. Navigable Streams: WDNR, Army Corps of Engineers, County Zoning
7. Floodplains: County Zoning
8. Cultural Resources: WDNR, State Historical Society
9. Entomology / Pathology: WDNR
10. Endangered Resources: WDNR
11. Forestry: Cooperative Field Trials, see WDNR website
12. Local Citizen Involvement: Public and Forest Citizens' Advisory Subcommittee
13. Other subjects as needed

810.1.9 Local Silvicultural Field Trials

To date, numerous field trials have been completed or are ongoing on the Marathon County Forest. These trials include:

1. Red Oak growth study completed by UWSP Professor Mike Demcheck in Ringle and Elderon Forest Units.
2. Seeded tamarack in strip clearcuts at Nine Mile Forest after Black Ash was removed.
3. Completed CFI plots in Ringle Forest Unit to determine Red Oak regeneration.

815 MANAGEMENT CONSIDERATIONS TO REDUCE LOSS

815.1 RISK FACTORS

815.1.1 Wind

The first order of business after a wind event is to clear and open roads, trails and recreational sites. As those tasks are completed, efforts are then turned to cleaning up and salvaging damage done to the forest.

Storm-damaged pine stands should be top priority when deciding where to start. Salvaging pine is much more urgent than oak or other hardwood stands because damaged pines will quickly begin to stain, and insects and disease will rapidly infest the damaged trees. As areas with pine are salvaged, the focus can turn to hardwoods and other types of timber. Stands with a high percentage of oak should follow oak harvesting guidelines if possible.

Uprooted trees and those with completely broken tops, will die and should be salvaged. Standing trees with some broken branches are judgment calls. A general rule is to salvage the tree if more than 50% of the crown or top is broken, but there may be situations when these damaged trees could be left to help the forest recover. Trees that are leaning may have broken roots or broken stem fibers and should be considered for salvage. Hail damage associated with wind storms may not be apparent until the following spring. Dieback, and mortality associated with storms could continue for 2-3 years after the event. As a result, stands will continue to be monitored for several years, especially if additional stresses occur in the year or years after the storm damage occurred.

815.1.2 Flooding

Flooding and high water can cause mortality by reducing the amount of oxygen in the soil, depriving trees with submerged roots of the oxygen needed for growth and respiration. Along with submerged roots, trees can also die from uprooting and from subsequent insect and disease attack following flooding stress. DNR Forest Health Specialist's may be consulted in flood-damaged stands and it may become necessary to conduct salvage harvests in flooded stands where appropriate. Access to wet or flooded sites can be difficult and may require frozen ground conditions. This is of greatest concern in stands where salvage harvests are needed to capture value, such as stands impacted by insects like emerald ash borer.

815.1.3 Fire

See Chapter 600, Section 605.

815.1.4 Climate Change

Northern forests may be affected by climate change during the next century. Marathon County recognizes that these potential changes to our climate can impact our forest and the various programs that we manage. A proactive approach will be followed with consideration being given to how changing conditions could impact forest composition, management of roads and recreational trails, wildlife habitat, watersheds, invasive species and forest pests/diseases. Timber management may include goals such as encouraging ecosystems with a variety of species on the landscape whenever possible, and giving consideration to forest types that will be less impacted by changing climate patterns.

815.1.5 Timber markets

Generally, the number of mills utilizing raw forest products in Wisconsin has declined significantly over the last 20 years. However, this decline has been somewhat offset by an increased demand for export logs and lumber. As transportation costs continue to rise, short distance hauls to a mill become more desirable for timber producers. With a pulp/paper mill (hardwood) and an OSB mill located in Tomahawk; a pulp/paper mill (hardwood) in Rothschild and a pulp/paper mill (softwood) in Mosinee, the Marathon County Forest is situated well for small diameter lower quality raw material markets. The Marathon County Forest also has several markets for hardwood saw logs and saw bolts and softwood saw logs within close proximity. Considering the location of the Marathon County Forest, demand for its forest products should remain strong into the future.

820 PLANT COMMUNITIES MANAGEMENT

Marathon County recognizes the importance of maintaining the diversity of the forest under an ecosystem approach. The process involved in making management decisions to encourage or not encourage specific species or communities is complex. It includes an understanding of:

1. Objectives of the County
2. Integration of landforms, soils, climate, and vegetative factors
3. Habitat classification
4. Past, present and future desired condition
5. Surrounding ownership patterns and general objectives

6. Wildlife habitat and other values
7. Social needs

820.1 SILVICULTURAL PRACTICES/TREATMENTS

Silviculture is the art and science of controlling forest composition, structure, and growth to maintain and enhance the forest's utility for any purpose. These practices are based on research and general silviculture knowledge of the species being managed. The goal is to encourage vigor within all developmental stages of forest stands, managed in an even aged or uneven aged system. The application of silviculture to a diverse forest needs a unified, systematic approach. The DNR Public Forest Lands Handbook (2460.5) and DNR Silvicultural Guidance will be used as guidelines for management practices used on the County Forest.

820.1.1 Natural Regeneration

Where feasible, natural regeneration will be encouraged through the use of silvicultural methods that promote regrowth and recruitment of the forest. Examples include: clearcuts, shelterwood cuts, strip cuts, scarification, prescribed burning, select cuts, and seed tree cuts. These practices can be enhanced by additional treatments, including the cutting of non-merchantable trees following harvest, by scarification before or after cutting for natural seeding, by prescribed burning, and by chemical treatment. These treatments can be used alone or in combination, depending on the needs of the site. In general, the particular silvicultural method chosen will depend on the biological functions of the target species or forest type.

820.1.1.1 Clearcutting/Coppice

Clearcutting is a silvicultural method used to regenerate shade intolerant species. Complete, or nearly complete removal of the forest canopy will stimulate the regeneration and growth of species such as aspen, jack pine and white birch. This method is also used as a final rotation removal in species such as red oak, red pine and others. Tree retention guidelines are followed when prescribing clearcut or coppice cuts.

820.1.1.2 Shelterwood / Seed Tree

Shelterwood harvest is a method used to regenerate mid-shade tolerant and shade tolerant species. Partial canopies stimulate regeneration, enhance growth and can provide seed source. Canopies are eventually removed. This method is used for white birch, white pine, red oak, and northern hardwood (when managing even aged).

820.1.1.3 All Aged Regeneration Harvests

All aged regeneration harvests are used in shade tolerant species. Gaps in the forest canopy allow regeneration to occur throughout the stand. Over time, multiple entries into the stand will create multiple age class structure with the intent of creating a fully regulated stand. All aged regeneration harvests may be prescribed in the form of single tree selection, group selection or patch selection. This method is used in northern hardwood and occasionally in swamp hardwoods (when managing for all aged).

820.1.1.4 Prescribed Burning

Prescribed burning may be utilized as a tool to promote regeneration. A number of forest types in Marathon County are ecologically tied to fire. Burning may create seeding conditions or release regeneration from competing vegetation. Prescribed fire may be used for regeneration of red oak, jack pine or white pine. See Chapter 600, Section 605.4.

820.1.1.5 Soil Scarification

Scarification is a technique used to prepare a seedbed beneath forest stands scheduled for harvest and regeneration. This mechanical disturbance that exposes bare mineral seedbeds and creates conditions necessary for regeneration of pine species. Disturbance that mixes seed into duff and soil layers creates optimal conditions for regeneration of oak, white birch, fir and others. Marathon County utilizes salmon blades, root rakes, straight blade, anchor chain or any others to accomplish soil scarification.

820.1.1.6 Other

Other natural regeneration techniques may be considered where necessary and appropriate. New methods for natural regeneration are continually tested for effectiveness.

820.1.2 Artificial Regeneration

When natural regeneration fails, or when tree species present do not coincide with management objectives for the site, artificial means will be employed to establish a desirable stand of trees. Artificial regeneration on a site usually requires some form of site preparation followed by seeding or planting. Cost effectiveness of any method of site preparation will be considered when deciding the appropriate method to use.

820.1.2.1 Mechanical Site Preparation

Mechanical site preparation includes the use of soil disturbance equipment such as a disc, roller chopper, patch scarifier, disk trencher or V-plow prior to tree planting or seeding. These types of equipment are used to reduce logging debris to a smaller size, incorporate debris into the soil, clear brush and debris from the site to facilitate planting or seeding, and to reduce competition from other vegetation.

820.1.2.2 Chemical Site Preparation

Herbicide application can be an effective means of controlling unwanted vegetation in order to establish seedlings or plantations. It should be used sparingly, in situations where mechanical treatment is not expected to provide the level of vegetative control needed. Chemicals will be selected and applied in strict accordance with label recommendations, requirements, and under the oversight of a certified applicator. The objective of herbicide use is not to kill all competing vegetation, but rather to kill or set back competing vegetation only enough to establish a reasonable stocked stand of desirable trees. Proximity to private lands, residences, highways, and other public use areas must be considered in selecting both the herbicide and the means of application. Herbicides can be applied with hand-held equipment, by motorized ground based equipment, or aircraft. A written prescription for each herbicide application will be prepared, kept on file, and be made available to the primary applicator.

820.1.2.3 Prescribed Burning

Prescribed burning for site preparation can be used to reduce logging debris, clear the site, reduce competing vegetation, and to release nutrients into the soil. DNR fire control staff will be the major source of guidance and direction for use of fire as a tool.

820.1.2.4 Tree Planting / Seeding

Both machine and/or hand planting/seeding will be utilized to insure adequate regeneration. The selection of species will be determined according to the specific management objectives and capabilities of each site. Planting or seeding will primarily occur in areas where natural regeneration is inadequate or conflicts with the management goals of the site. County will make all reasonable efforts to source seeds/seedlings from local genetics.

820.1.3 Intermediate Treatments

Intermediate treatments are those practices used to enhance the health and vigor of a forest stand.

In general, intermediate treatments are applied to forest stands managed as even aged.

820.1.3.1 Mechanical Release

Mechanical release is the removal of competing vegetation by means other than herbicide or fire. Mechanical may include releasing young pine plantations from competing vegetation using chain saws or other hand-held equipment; or mowing to release regeneration.

820.1.3.2 Chemical Release

Chemical Release is the removal of competing vegetation from desirable trees through the use of herbicides. It should be used sparingly and in situations where mechanical treatment is not expected to provide the level of vegetative control needed. Chemicals will be applied in strict accordance with label recommendations, requirements and under the oversight of a certified applicator. A written prescription for each herbicide application will be prepared and kept on file.

820.1.3.3 Non-Commercial Thinning (TSI)

In general, most thinning needs are accomplished through commercial harvest operations. Non-commercial thinning may be considered if the individual site requirements, funding and/or available labor make it desirable.

820.1.3.4 Thinning / Intermediate Cuts

Management of some even aged forest types necessitates the use of commercial thinning, also known as intermediate harvests, to maintain forest health and vigor. Thinning is generally prescribed in forest types such as red pine, red oak, and in cases of even aged hardwood management. Thinning may be prescribed on other even aged types as appropriate and where feasible. Intermediate harvests include prescriptions for residual densities, marking priorities, spacing, crown closure, diameter distribution, or other measurements.

820.1.3.5 Pruning

Pruning is the removal of limbs from lower sections of trees to increase log quality. Major pruning efforts were conducted in the past but it is not generally recognized as economically viable on the forest.

820.2 SILVICULTURAL PRESCRIPTIONS

820.2.1 Even-Aged Management

A forest stand composed of trees having relatively small differences in age. Typical cutting practices include: clear cutting, shelterwood cutting and seed-tree cutting. Even aged management is generally required to manage shade intolerant, early successional forest types.

820.2.1.1 Aspen

These are types where aspen trees comprise of more than 50% of the stems. On the forest, aspen types may be dominated by quaking or big tooth aspen or a combination of both. Aspen stands contain a wide variety of associated hardwood and conifer species.

<u>Shade tolerance:</u>	Intolerant
<u>Habitats:</u>	AVb, ATM
<u>Intermediate treatments:</u>	None
<u>Median rotation age:</u>	45
<u>Primary regeneration method:</u>	Natural
<u>Harvest method:</u>	Clearcutting with coppice
<u>Habitat value:</u>	Early successional related species
<u>Economic value:</u>	Fiber production / bolts
<u>Insect disease considerations:</u>	Hypoxylon and other cankers
<u>Trends:</u>	General declines on statewide acreage, increasing slightly on Marathon County Forest
<u>Landscape considerations:</u>	Retain and/or convert acreages to hardwoods where possible

820.2.1.2 Red Pine

These are types where red pine comprises 50% or more of the basal area in saw timber and pole timber stands, or 50% or more of the stems in sapling or seedling stands.

<u>Shade tolerance:</u>	Intolerant
<u>Habitats:</u>	AVb-V, PArVAa
<u>Intermediate treatments:</u>	Yes, thinnings
<u>Median rotation age:</u>	80
<u>Primary regeneration method:</u>	Artificial
<u>Harvest method:</u>	Clearcutting then planting
<u>Habitat value:</u>	Thermal cover for wildlife species
<u>Economic value:</u>	Fiber production/bolts/sawlogs/utility and cabin poles

<u>Insect disease considerations:</u>	Heterobasidion, Leptographium
<u>Trends:</u>	General increase on statewide acreage, increasing slightly on Marathon County Forest
<u>Landscape considerations:</u>	Retain acreages where possible

820.2.1.3 Red Oak

These are types where Red Oak trees comprise 50% or more of the basal area in pole timber and saw timber stands, or 50% or more of the stems in seedling and sapling stands.

<u>Shade tolerance:</u>	Intolerant
<u>Habitats:</u>	AVb
<u>Intermediate treatments:</u>	Yes, thinnings
<u>Median rotation age:</u>	100
<u>Primary regeneration method:</u>	Natural
<u>Harvest method:</u>	Shelterwood
<u>Habitat value:</u>	Mast Acorns
<u>Economic value:</u>	Fiber production/bolts/sawlogs
<u>Insect disease considerations:</u>	Oak Wilt
<u>Trends:</u>	General declines on Statewide acreage and on Marathon County Forest
<u>Landscape considerations:</u>	Retain and increase acreages to Red Oak

820.2.1.4 Red Maple

These are types where Red Maple trees comprise 50% or more of the basal area in pole timber and saw timber stands, or 50% or more of the stems in seedling and sapling stands.

<u>Shade tolerance:</u>	Mid-tolerant
<u>Habitats:</u>	ATM
<u>Intermediate treatments:</u>	Yes, thinnings
<u>Median rotation age:</u>	75-80
<u>Primary regeneration method:</u>	Natural
<u>Harvest method:</u>	Coppice
<u>Habitat value:</u>	Structural support for nesting, seeds for songbirds
<u>Economic value:</u>	Fiber production/bolts/sawlogs
<u>Insect disease considerations:</u>	Long Horned Beetle
<u>Trends:</u>	General increase on Statewide acreage and on Marathon County Forest
<u>Landscape considerations:</u>	Retain acreages of Red Maple

820.2.2 Uneven-Aged Management

A forest stand composed of trees in various age and size classes. The typical cutting practice is selection cutting, where individual trees are removed from the stand. Regeneration is continually

occurring after the stand is cut. Uneven-aged management is generally used to manage shade tolerant forest types.

820.2.2.1 Northern Hardwood

These are stands dominated by shade tolerant and mid-shade tolerant species. In Marathon County, northern hardwood stands are typically dominated by sugar maple, ash, and basswood.

<u>Shade tolerance</u>	Tolerant to mid-tolerant
<u>Habitats:</u>	ATM, AH
<u>Intermediate treatments:</u>	None
<u>Median rotation age:</u>	N/A
<u>Primary regeneration method:</u>	Natural – all aged regeneration
<u>Harvest method:</u>	Single tree, gaps, group selection
<u>Habitat value:</u>	Variety of breeding birds, mammals, etc.
<u>Economic value:</u>	High, bolts/sawlogs
<u>Insect disease considerations:</u>	Emerald ash borer, gypsy moth, many others
<u>Trends:</u>	General decrease in Statewide acreages and on Marathon County Forest
<u>Landscape considerations:</u>	Retain or increase acreages if possible on fair to good quality sites

820.3 LOCALLY UNCOMMON TREES / FOREST TYPES

The presence or lack of a particular tree species is dependent on land capability, climate, natural range, natural or human disturbance and many other factors. The following trees and types are considered uncommon on the Marathon County Forest and likely across the general region. These trees may be left as reserves in even aged management prescriptions, or in thinnings and all aged regeneration harvests.

820.3.1 American Elm (*Ulmus americana*.) is scarce primarily due to Dutch elm disease. Healthy looking elm may be left uncut in hope that they may continue on the landscape as potential resistant seed sources.

820.3.2 Butternut (*Juglans cinerea*) primarily occurs on the Burma County Forest and is declining due to butternut canker. Healthy individuals that appear to be canker free will be reserved in the forest as potential resistant seed sources.

820.3.3 Eastern Hemlock (*Tsuga canadensis*) is a highly preferred deer and small mammal browse species. Regeneration is difficult and remnant stands will be retained to provide seed sources for future management activities.

820.4 FOREST TYPES REQUIRING INTENSIVE EFFORT TO REGENERATE

There are certain forest types within the County Forest that are difficult to regenerate. In many cases, this difficulty may be related to the exclusion of fire from the landscape, deer browsing or other factors. The following list itemizes forest types with difficult regeneration and County management goals:

820.4.1 White birch

White birch (paper birch) is shade intolerant species generally found in stands of timber of similar age. A mineral seedbed appears necessary to regenerate white birch and it is assumed most white birch present on the forest is of fire origin. Drought conditions of 1989 and 1990, coupled with unseasonably warm temperatures and secondary pathogens, resulted in significant mortality of the white birch on the Forest. Existing stands of white birch should be considered for scarification coupled with shelterwood harvests.

820.4.2 Northern red oak

Northern red oak is a shade intolerant to mid tolerant species found in primarily even aged stands. Northern red oak appears to require disturbance to regenerate and deer browsing appears to be a limiting factor on regeneration success. The County is committed to retain as much of the existing acreage of northern red oak as possible. Regeneration efforts will focus on timing soil scarification with good acorn crops and shelterwood harvests. Regeneration may require prescribed burning to release seedlings from competing vegetation.

820.5 INVASIVE PLANT SPECIES OF CONCERN

Invasive plants can cause significant damage to the forest. Invasive species can displace native plants and hinder the forest regeneration efforts. Preventing them from dominating forest understories is critical to the long-term health of the forest. There are a number of invasive plant species in varying densities on the County Forest. Some warrant immediate and continual treatment efforts while others may be allowed to remain due to extent and financial ability to control them. The County will continue to train staff in invasive species identification as well as attempt to secure funding sources to control them as much as is practical. A current list of the

common invasive species found on the Marathon County Forest can be found in Chapter 600, Section 610.5.

820.6 LEGALLY PROTECTED AND SPECIAL CONCERN PLANT SPECIES

There are plants in Wisconsin that are protected under the Federal Endangered Species Act, the State Endangered Species Law, or both. On County Forest, no one may cut, root up, sever, injure, destroy, remove, transport or carry away a listed plant without a valid endangered or threatened species permit. There is an exemption on public lands for forestry, agriculture and utility activities under state law. The County will, however, make reasonable efforts to minimize impacts to endangered or threatened plants during the course of forestry/silviculture activities (typically identified in the timber sale narrative).

The Wisconsin Department Natural Resources Bureau of Natural Heritage Conservation tracks information on legally protected plants with the Natural Heritage Inventory (NHI) program. The NHI program also tracks Special Concern Species, which are those for which some problem of abundance or distribution is suspected, but not yet proven. The main purpose of this category is to focus attention on certain species before they become threatened or endangered.

The County has access to this data under a license agreement and is committed to reviewing this database for endangered resources that may occur within proposed land disturbing project areas.

820.7 TREE RETENTION GUIDELINES

Silvicultural practices are designed to manipulate vegetation to achieve management objectives. Retention of some trees, both alive and dead, has associated ecological benefits. Marathon County will implement tree retention guidelines consistent with the DNR Silvicultural Handbook (#2431.5)(Chapter 24 – Marking Guidelines) with the following variances:

1. Green tree retention on even-aged harvests varying from 3% - 15% of crown cover or stand area.
2. Retention will occur at the “Harvest Unit” level. Harvest Unit is defined as the stands within a timber sale. Riparian management zones (RMZ) and stands excluded from harvesting (Z prefix stands) occurring within or adjacent to the Harvest Unit can provide retention opportunities.
3. Retention will be encouraged in stands 10 acres in size or less managed as even-aged, but will not be required.

820.8 BIOMASS HARVESTING GUIDELINES

The Purchaser shall comply with all General Guidelines as described in “Wisconsin’s Forestland Woody Biomass Harvesting Guidelines” published by the Wisconsin Department of Natural Resources, publication Pub-FR-435-09, unless specifically provided otherwise below. The publication can be found on the Council on Forestry website at <http://council.wisconsinforestry.org/biomass/>

825 ANIMAL SPECIES MANAGEMENT

For the purpose of this plan, wildlife will include all native birds, mammals, fish, amphibians, reptiles, and insects with a strong focus on the natural communities in which they live. Wildlife biologists will emphasize habitat management that interrelates and benefits wildlife, and complements sound forestry practices. Concerns about biological diversity on the County Forest and how it fits in the regional, continental, and global perspective may cause wildlife management to place increased emphasis on segments of the forest community. Practices such as old-growth, snag and den tree management, access management, forest openings maintenance, oak management, and aspen maintenance, can be priorities in the dynamics of forest management. A primary goal of wildlife management on the Marathon County Forest is to provide a diversity of healthy ecosystems necessary to sustain native populations for their biological, recreational, cultural and economic values. The Forest will be managed primarily to provide habitats for a suite of species rather than focusing on a specific species, with exceptions made for Federal or State listed endangered or threatened species.

825.1 TECHNICAL PLANNING

Management of wildlife populations on the Marathon County Forest falls under the jurisdiction of the DNR. Planning will be a cooperative effort of the County Forest staff, DNR liaison forester and wildlife manager in formulating management plans and utilizing forest and wildlife management techniques to accomplish desired forest and wildlife management goals.

The wildlife manager will submit an annual wildlife work plan to the Committee for approval by December 1 for each calendar year. The plan will contain specific management practices and locations for proposed projects affecting County Forest. The DNR wildlife work plan will also indicate new policy directions or policy changes which may affect County Forest (i.e. deer

management unit population goals, trail mowing and opening maintenance, wood duck house maintenance) during the plan period.

The Forest Administrator may coordinate other wildlife management projects with the wildlife manager through the Forestry Division annual work plan or individual project requests or proposals approved by the Committee.

825.2 GUIDELINES

DNR operational handbooks including the Public Forest Lands Handbook (2460.5), manual codes and guidance documents are important references and guidelines to utilize in fish and wildlife planning efforts.

825.3 INVENTORY

Habitat needs will be determined by analysis of forest reconnaissance information. Population estimates will be conducted periodically by DNR wildlife, endangered resources personnel, and other trained cooperators. Currently, Department Wildlife staff conduct the following surveys on or adjacent to the Marathon County Forest:

1. Biotic Inventories
2. Summer deer observations
3. Brood surveys
4. Furbearer tracking
5. Bear genetic population
6. Snapshot Wisconsin

825.4 PROJECTS FUNDING

All approved wildlife management projects will be eligible for funding through Wildlife Habitat Grants (5¢ per acre), County Fish and Game, their successor programs or other applicable federal, state, or private funding sources. These projects may include: access control or development; cooperative projects on lands adjacent to County Forest which benefit County Forest wildlife populations; inventory, geographic information systems (GIS) and geographic positioning systems (GPS); flowage development; habitat development, maintenance, protection, or restoration; endangered and threatened species management; land acquisition; bow and gun ranges; nature trails; wetland mitigation; or any other wildlife management project approved by

the Wildlife Biologist, Forest Administrator, and Committee.

825.5 RESOURCE MANAGEMENT CONSIDERATIONS FOR WILDLIFE

The following areas of focus are identified for achieving plan objectives and for benefit of wildlife.

825.5.1 General Management Policies

Forest management practices may be modified to benefit wildlife and diversity. The following will be considered when planning for management activities:

1. Even-aged regeneration harvests (clearcuts) should vary in size and shape and include retention considerations.
2. A diversity of stand age, size and species.
3. Mast-bearing trees and shrubs, cavity trees, and an adequate number and variety of snags.
4. Cull trees (future snag or den trees) not interfering with specific high value trees.
5. Timber types, habitat conditions and impacts on affected wildlife.
6. Access management.
7. Best management practices for water quality (BMP's).
8. Opportunities to develop and maintain vertical structure and coarse woody debris.
9. Technical advice for endangered, threatened, and non-game species management.

825.6 IMPORTANCE OF HABITATS

Important habitat types are those cover types known to be of importance to certain native wildlife and whose absence would make that wildlife significantly less abundant. These shortages may be on a local or broader scale. Early, mid, and late successional stages of all forest cover types are important to sustain wildlife populations. The following habitat types can be considered important:

825.6.1 Non-forested wetlands

The Marathon County Forest contains a minimal amount of non-forested wetland types. However they provide a variety of habitats for common, rare and endangered species. Emergent wetland, sedge meadow, muskeg bog and deep marsh provide habitat for species such as wood turtle, black tern, American bittern, and numerous other species.

825.6.2 Aquatic habitats

The Marathon County Forest includes 437 acres of lakes, rivers, streams, ponds and other aquatic habitats. Open water provides habitat for species such as wood duck, boreal chorus frog, water shrew and many other species reliant on water related resources.

825.6.3 Riparian and other non-managed areas

Undisturbed shoreline and riparian areas present on the forest and provide habitat for species such as red shouldered hawk, green frog, and woodland jumping mouse.

825.6.4 Early successional forests

Management of aspen, white birch, jack pine and other shade intolerant species creates habitat for a large suite of wildlife species that benefit from early successional forests. On the Marathon County Forest there are currently 14,925 acres of these forest types present. This is a key habitat used for recreational hunting activities providing conditions favorable for American woodcock, ruffed grouse, white-tailed deer and non-game species such as golden-winged warbler, Kirkland's warbler and black-billed cuckoo.

825.6.5 Conifers

Conifers, whether jack pine, white pine, spruce, fir or other types appear to be an important habitat for a number of wildlife species. The Marathon County Forest currently has 1464 acres of coniferous habitat. Connecticut warbler, red crossbill, northern flying squirrel, and many others utilize conifer types. Jack pine areas can be managed to provide temporary barrens habitat providing habitat for Kirtland's warbler and other barren related species.

825.6.6 Oak management

Oak is an important mast producing food source on the forest, providing acorns for a wide variety of game and non-game species. The Marathon County Forest has 2606 acres of oak habitat. It is considered a critical resource to retain on the landscape for both its timber and wildlife value, providing habitat for species such as scarlet tanager, wood thrush, red headed woodpecker, and black bear.

825.6.7 Uneven/all aged management

Management of uneven aged stands provides for multi-storied canopies, diverse age structure and potentially older forest characters. The Marathon County Forest has 1774 acres being managed under an all aged management system. Species such as Canada warbler, little brown bat, black throated blue warbler and many others benefit from these forest type, In addition, numerous amphibian and reptiles utilize these forest types.

825.6.8 Large forest blocks

Large blocks of County Forest provide habitat for numerous interior species. Gray wolf, black throated blue warbler, Canada warbler and least flycatcher are a few examples of animals that rely on these large blocks.

825.6.9 Grasslands, openings, upland brush

Wildlife openings, grass rights-of-way, natural openings, upland brush and other upland open habitats provide for diversity and unique habitats benefitting pollinators, numerous species including upland plover and whip-poor-will. Marathon County Forest currently has 567 acres identified as open grassland or upland brush habitat.

825.6.10 Lowland Brush/Alder

The Marathon County Forest contains 5540 acres of lowland brush/alder stands. Alder benefits many game and non-game species including grouse, American woodcock and others. Shearing tag alder has been an emphasis on the forest to improve habitat for woodcock.

825.6.11 Forest Game Species

The management of forest game (white-tailed deer, ruffed grouse, black bear, turkey, snowshoe hare, and furbearers) is centered on maintaining early successional species such as aspen, jack pine, white birch, and oak; with aspen and oak being the primary species of importance.

Foresters, in concert with wildlife biologists will continue to monitor forest game species and adjust land management prescriptions where appropriate.

825.6.11.1 Beaver Management

The Committee supports allowing beaver and their dams in an amount and in locations where damage to forest productivity, roads, or trout fishery values are not extensive. Where applicable, natural succession to forest types other than aspen will be encouraged next to trout streams.

825.6.11.2 Waterfowl Management

The Committee supports DNR's program to provide and maintain waterfowl flowages on the Nine Mile, Harrison-Hewitt, and Bern Wetland Forest Units for wetland enhancement, waterfowl production, hunting, trapping, and wildlife viewing opportunities they provide. Grasslands next to flowages will be maintained to provide nesting habitat for mallards, blue-wing teal, and grassland birds. Local wildlife managers will work with liaison forester and Forest Administrator in identifying, recommending, and planning projects.

825.7 INTENSIVE WILDLIFE MANAGEMENT PROJECTS

825.7.1 Wisconsin Wildlife Action Plan / Species of Greatest Conservation Need (SGCN)

In addition to species listed as endangered, threatened or special concern within the NHI database, the Department also maintains a statewide list of species of greatest conservation need.

This list includes species that have low or declining populations and may be in need of conservation action. The list includes birds, fish, mammals, reptiles, amphibians and insects that are:

1. Already listed as threatened or endangered
2. At risk due to threats
3. Rare due to small or declining populations
4. Showing declining trends in habitat or populations

The WWAP working list can provide information on how management activities may impact, or in many cases benefit species of greatest conservation need. More information is available on the WWAP website: <https://dnr.wi.gov/topic/wildlifehabitat/actionplan.html>.

825.7.2 Bern Wetland Management

Marathon County purchased the 269-acre Bern Wetland to develop a waterfowl flowage (impoundment). The DNR is responsible for managing the flowage and maintaining the dam. Forest stands next to the flowage will be managed for a natural appearance. Forest stands will

also be managed to develop old trees and especially maintain trees with cavities for birds and mammals.

825.7.3 Bitzke Waterfowl Management

The Bitzke Refuge is an area of about 300 acres with flowages (impoundments) developed for waterfowl production and protection as a cooperative project between Marathon County and the Wisconsin Department of Natural Resources with funding from Ducks Unlimited, Wisconsin Waterfowl Association, Marathon County, and DNR. The Wisconsin Conservation Corps assisted with nature trail development.

The refuge will be maintained in a condition which will promote the development of a complete wetland ecosystem featuring waterfowl. Interpretive signs, boardwalks, benches, an observation tower, and flowage structures were developed to enhance the use of the area by the public. The DNR will determine refuge status and closed dates.

The visual horizon (from the top of the observation tower) will be maintained in as naturally appearing conditions as possible. The DNR may use artificial nesting platforms and boxes or other wildlife management techniques within the refuge.

825.7.4 Ruffed Grouse Area Management

Marathon County in cooperation with the Ruffed Grouse Society and the Department of Natural Resources has developed a special ruffed grouse management area in the Leather Camp Forest Unit north of the Little Eau Claire River (approximately 3,163 acres). The primary intent of this project is to maintain intolerant forest types primarily aspen, in stand sizes less than 20 acres when feasible, with a variety of size and age classes to promote ruffed grouse, American woodcock, and other species associated with the aspen forest.

Marathon County has developed and will maintain a trail system to allow the harvest of small areas. These trails will remain closed to motorized use except for approved snowmobile or ATV trails in winter and by permit for persons with disabilities, or other contract or permit (timber management, beaver control, etc.).

Although aspen management will dominate this area, appropriate aesthetic management practices will be used to reduce negative visual impacts from aspen regeneration harvests if possible.

825.8 FISH AND WATERS MANAGEMENT

Public waters will be managed to provide for optimum natural fish production, opportunities for quality recreation, and healthy balanced aquatic ecosystems. Emphasis will also be placed on land-use practices that benefit the aquatic community. Management of County Forest lands will attempt to preserve and/or improve fish habitat and water quality.

825.8.1 Technical Planning and Surveys

Management of all waters within the County Forest is the responsibility of the DNR. Technical assistance will be provided by the local fisheries biologist. Studies and management will be conducted in the manner described in DNR Fish Management Handbook 3605.9. Water and Population Surveys fall under the jurisdiction of the Department and will be conducted as needed by fisheries biologists.

825.8.2 Special Projects

There have been no special fisheries related projects due to limited water resources on County Forest lands.

825.8.3 Shoreland Zoning

The Marathon County Shoreland zoning ordinance will be followed on all management activities on the County Forest. The ordinance can be found in the appendix.

825.8.4 Access and development

Access and development of County Forest waters will be limited to those activities consistent with the above water management policies.

825.8.5 Important Water Resources

Management activities adjacent to these water resources, or in areas with sensitive soils or severe slopes, should consider measures above and beyond the customary BMP practices. A “soil erosion rates by watershed map” identifying these more sensitive areas of the Forest can be found in the appendix. County staff may work with their liaison forester in cooperation with the local DNR water resources staff to develop site-specific measures where appropriate. An inventory of water resources can be obtained from DNR Water staff for the County.

825.8.6 COUNTY FOREST STREAMS

MARATHON COUNTY FOREST STREAMS				
FOREST UNIT	STREAM NAME	LEGAL	LENGTH *	DESCRIPTION
Bern Wetland	Trib. To Black Creek	Sec. 29,30 T30N-R3E	.94 mi.	Warm - flowage
Harrison-Hewitt	Skulen Pond Creek	Sec.7,17,20,30,T30N-R9E	3.60 mi.	Warm - flowages
Harrison-Hewitt	Trappe River	Sec. 3, T30N-R9E	.77 mi.	Warm
Kronenwetter	Johnson Creek	Sec. 24, T27N-R8E	2.66 mi.	Warm
Kronenwetter	Johnson Creek	Sec. 18, 19, T27N-R9E		
Kronenwetter	Sampson Creek	Sec. 11, 12, T27N-R8E	2.06 mi.	Warm
Leather Camp	LittleEauClaire River	Sec. 12, T26N-R8E	1.00 mi.	Warm
Miller	Big Sandy Creek	Sec. 18, T29N-R9E	.28 mi.	Warm
Nine Mile	Four Mile Creek	Sec. 36, T28N-R6E	.39 mi.	Cold, Class 2
Nine Mile	Four Mile Creek	Sec. 1, T27N-R6E	.18 mi.	Cold, Class 2
Nine Mile	Four Mile Creek	Sec. 5,6, T27N-R7E	1.24 mi.	Cold, Class 2
Nine Mile	Black Creek	Sec. 28,33, T28N-R7E	2.17 mi.	Cold, Class 2
WI River Unit	WI River	Sec. 13,14,24, T30N-R7E	1.16 mi.	Warm
TOTAL			16.45 mi.	
*Length estimated from Marathon County GIS Basemap				

830 EXCEPTIONAL RESOURCES, UNIQUE AREAS

Exceptional resources include such things as wild rivers and lakes, natural areas, ruffed grouse management areas, Karner blue butterfly recovery areas, areas of unique geological features, historical, and archeological sites. It is the policy of Marathon County to manage these type resources to enhance and protect their individual exceptional features.

See 300.2.6 Fish and Wildlife on descriptions of the ruffed grouse management area in Leather Camp and the Bern Wetland and Bitzke Waterfowl Refuge.

830.1 AREAS RECOGNIZED BY STATE OR FEDERAL GOVERNMENT

The areas that have been recognized by State or Federal Government are listed below with management prescriptions if applicable.

830.1.1 Wisconsin State Natural Areas

The County Forest manages a variety of property designations. The State Natural Area (SNA) system represents the wealth and variety of Wisconsin's biological diversity. SNA's are unique in that they can exist as stand alone properties or be designated within the boundaries of another property type. DNR Endangered Resources staff will work cooperatively with the County Forest by coordinating educational, monitoring, and research activities. Management will protect the unique character of the area. Presently, there are no State Natural Areas on the County Forest. However, the importance of State Natural Areas has been recognized on County Park property by cooperating with department staff in designating and managing 105 acres at Big Eau Pleine Park and 40 acres at Eau Claire Dells Park for SNA sites.

830.1.2 Species Concentration Areas

In cooperation with the Wisconsin Department of Natural Resources a series of flowages were developed primarily to benefit waterfowl. In 1985 the DNR designated the Bitzke Flowages as a waterfowl refuge to provide resting areas for migrating birds.

830.1.3 Endangered Species Habitats

Marathon County will take steps necessary to protect habitat for species that are identified as rare, threatened, endangered or greatest conservation need.

830.1.4 Rare communities

Nine Mile Forest contains a large wetland and shrub carr complex. Characteristics include an A rank reach of fast, soft, cold water stream and large areas of B ranked northern sedge meadow and shrub carr. It is unlikely that any active forest management will occur in this area and Best Management Practices for water quality will be applied when conducting management around the wetland.

830.2 AREAS RECOGNIZED BY COUNTY OR LOCALLY

Marathon County may contain areas that are locally considered exceptional or unique. Some are recognized by other agencies, while others are designated only within this Plan. These resources may include wild rivers, lakes, natural areas, geological features or historical/archeological sites.

830.2.1 Forests with Old Growth Characteristics

Presently, there are no known old growth stands on the County Forest.

830.2.2 Wildlife Sites (Hibernacula, Rookeries, Special Habitats)

Presently, there are no known wildlife sites as referenced above known on the County Forest.

830.2.3 Savannas, Barrens, etc.

Presently, there are no savannas or barrens on the County Forest.

830.2.4 Geological Features of Significance

Presently, there are no known geological features of significance on the County Forest.

830.2.5 Waterfalls, Wild Rivers, Wild Lakes

Presently, there are no known water falls, wild rivers or wild lakes on the County Forest.

830.2.6 Unique Forest Types

There are numerous scattered eastern hemlock stands on the County Forest ranging from less than one to more than ten acres. These stands will be managed to protect and regenerate this species if possible.

The County Forest may contain some individual white pine relics that will not be harvested unless are diseased or pose a significant hazard to forest users.

Nine Mile Forest contains approximately 48 acres of natural origin red pine that will continue to be actively managed.

830.2.7 Locally Significant Sites

Presently, there are no known locally significant sites known on the County Forest.

It is the policy of Marathon County to manage these type resources to enhance and protect their individual exceptional features. A review of the State Historical Society databases will be conducted on all timber sales.

830.3 CULTURALLY SIGNIFICANT SITES

830.3.1 Burial mounds, cemeteries

Presently, there are no known burial mounds or cemeteries on the County Forest.

830.3.2 Logging Camps, Dams

Presently, there are no documented logging camps on the County Forest. One low hazard dam at Bern Forest Unit is owned by Marathon County and cooperatively managed with DNR as a waterfowl flowage. A Memorandum of Agreement between the County and DNR is in place.

830.3.3 Landmarks

Presently, there are no special landmarks on the County Forest.

852.3.4 Other

A review of the DNR intranet site that houses archeological and historical data was conducted for any significant sites on the County Forest. No “hits” on County Forest were found. Additional specific information will be gathered during the implementation of individual projects.

835 AESTHETICS

Public perception of forestry has changed over the last planning period and in general it appears that the public is much more accepting of the visual impact of sound forestry. In response to this, aesthetic management planning is intended to be much more simplified in this Plan.

835.1 AESTHETIC MANAGEMENT

Aesthetic management techniques may be applied in areas of high visibility or high public use. Altered management, visual screens, slash disposal, conversion to other species, no cut zones or other methods may be employed, depending on the circumstances of the specific site.

835.2 AESTHETIC MANAGEMENT ZONES

Aesthetic Management Zones include areas where there may be high levels of public presence because of scenic attraction, or some use of the area that would be enhanced by special timber management practices.

835.2.1 Aesthetic Management Zone Examples

1. Park and recreation areas, including access routes
2. Lakes and rivers with significant recreational use
3. Roads with heavy traffic or scenic drive.

835.2.2 Aesthetic Management Prescriptions/Options

1. Adjustment timing of timber harvesting
2. Slash restrictions/requirements
3. Staggered Harvests / Visual Screens
4. Forced conversion to longer lived species
5. Irregular harvest lines, interrupted sight distances
6. Tree plantings randomly placed

840 LANDSCAPE MANAGEMENT

The County will make efforts to evaluate surrounding landscapes while managing the County Forest. The County will strive to provide management that compliments the landscapes, but also try to provide for resources or forest types that are lacking or declining within surrounding landscapes.

840.1 CONSERVATION OF BIOLOGICAL DIVERSITY

For the purposes of this plan, biological diversity will be interpreted to reference the variety and abundance of species, their genetic composition, and the communities, ecosystems, and landscapes in which they occur. Forest management activities on the Marathon County Forest enhance biological diversity by managing for a wide variety of habitat types, age structures and by attempting to perpetuate and protect declining forest types.

840.2 HABITAT FRAGMENTATION

For the purposes of this plan, habitat fragmentation is interpreted as conversion of forests to land uses other than forestry. Lands enrolled in the County Forest Law help protect against habitat fragmentation. A continued program of encouraging land acquisition within the forest blocking boundary is intended to decrease the conversion of forest land to other uses. The adoption of management plans and strategies developed cooperatively with neighboring forest owners and managers will help to consider fragmentation on a landscape level.

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

CHAPTER 900

RECREATION

<u>Section</u>	<u>Subject</u>	<u>Page</u>
900	RECREATION	4
905	PLANNING	4
910	AUTHORITY	4
915	ENTRANCE AND USER FEES	4
920	RECREATIONAL SERVICE AGREEMENTS	5
925	RECREATIONAL USE PERMITS FOR ORGANIZED EVENTS	5
930	EXTENSIVE RECREATIONAL USE OF THE FOREST	5
	930.1 HUNTING AND TRAPPING	5
	930.2 FISHING.....	6
	930.3 PICNICKING / DAY USE	6
	930.4 CAMPING	6
	930.5 MOTORIZED TRAVEL	7
	930.6 OTHER USES	7
935	INTENSIVE RECREATION AREAS/USES	7
	935.1 CAMPGROUNDS.....	7
	935.2 YOUTH CAMP	7
	935.3 PICNIC / DAY USE AREAS	7
	935.4 SWIMMING AREAS / BEACHES.....	8
	935.5 BOAT LANDINGS	8
	935.5.1 Undeveloped Water Access Points	8
	935.6 SKI/TUBING HILLS	8
	935.7 RIFLE RANGE.....	8
940	RECREATIONAL TRAIL ACCESS	8
945	DEMAND DEVELOPMENT/EXCLUSION	8
950	TRAIL CONSTRUCTION AND MAINTENANCE	9
955	ORGANIZED TRAIL USE AND SPECIAL EVENTS.....	9

960	DESIGNATED RECREATION TRAILS	10
960.1	NON-MOTORIZED RECREATION TRAILS.....	10
960.1.1	Hiking Trails.....	10
960.1.1.1	Undesignated Hiking Trails	10
960.1.1.2	Designated Hiking Trails	10
960.1.2	Mountain Bike Trails.....	11
960.1.2.1	Undesignated Mountain Bike Trails	11
960.1.2.2	Designated Mountain Bike Trails	11
960.1.3	Equestrian Trails	12
960.1.3.1	Undesignated Equestrian Trails	12
960.1.3.2	Designated Equestrian Trails	12
960.1.4	Ski Trails.....	12
960.1.4.1	Undesignated Cross Country Ski Trails.....	12
960.1.4.2	Designated Cross Country Ski Trails.....	12
960.1.5	Snowshoe Trails.....	13
960.1.5.1	Undesignated Snowshoe Trails.....	13
960.1.5.2	Designated Snowshoe Trails.....	13
960.1.6	Other Non-Motorized Use	13
960.1.7	Future Non-Motorized Trail Systems	13
960.2	MOTORIZED RECREATION TRAILS.....	14
960.2.1	Designated Snowmobile Trails	14
960.2.1.1	Trail Types.....	15
960.2.1.2	Trail Maintenance	16
960.2.1.3	Future Snowmobile Trails.....	16
960.2.2	Undesignated Snowmobile Trails	17
960.2.3	Designated ATV Trails	17
960.2.3.1	Trail Types.....	17
960.2.3.2	ATV Trail Maintenance.....	19
960.2.3.3	Future ATV Trails	19
960.2.4	Designated Motorcycle Trails.....	20
960.2.5	Other Motorized Recreational Vehicle Trails.....	20
960.2.6	Recreational Access for Persons With Disabilities.....	20
960.3	RECREATION TRAIL PERMITS.....	21
960.3.1	Storm Water Discharge.....	21

	960.3.2 Chapter 30.....	22
	960.3.3 Wetland Fill	22
965	RECREATION PROGRAM FUNDING AND GRANTS.....	22
	965.1 RECREATION AREA FUNDING	22
	965.2 RECREATION TRAIL FUNDING.....	22
	965.2.1 Non-motorized trail systems.....	22
	965.2.2 Motorized trail systems.....	22

900 RECREATION

Recreation is an integral part of the management of the Marathon County Forest and recreation uses are referenced in most of the previous chapters. Due to the tremendous growth in recreational demands over the duration of the last several planning periods, this Plan recognizes the importance of more intensive recreational planning and emphasizes its importance with a separate chapter.

905 PLANNING

In addition to this Plan, the Marathon County Outdoor Recreation Plan (CORP) also guides the recreation program. This plan is revised every five years and is made part of this Plan. The Marathon County Outdoor Recreation Plan includes, but is not limited to, activities on the County Forest. It incorporates campgrounds, parks and boat landings, recreational maintenance and development plans and other recreation surveys and reports. The Outdoor Recreation Plan, Wisconsin Statewide Comprehensive Outdoor Recreation Plan (SCORP), public input, and other local or regional planning documents will be used as resources in recreational planning and development efforts. The responsibility for recreational planning, development and maintenance on the County Forest will rest with the Committee.

910 AUTHORITY

The Marathon County Code of Ordinances and s. 28.11 Wis. Stats, authorize the Committee to provide recreational opportunities for the public. This authority is further recognized in the mission statement for the County Forest Plan (Chapter 100), which specifically identifies outdoor recreational opportunities. This mission statement also charges the Committee to conduct activities in a manner that prevents or minimizes environmental damage and degradation of natural resources.

Maps of the recreational facilities managed through the Marathon County Forest program are appended or referenced in Chapter 1000.

915 ENTRANCE AND USER FEES

The Committee is empowered and shall have responsibility for establishing entrance, camping and other user fees on recreational facilities maintained by the County Forest. Camping, entrance or other fees shall be comparable to fees charged by (similar private facilities, other adjacent counties) and are subject to periodic change by the Committee or Commission. Fees, where appropriate, will be utilized to assist in the maintenance of recreational facilities.

920 RECREATIONAL SERVICE AGREEMENTS

It is permissible for the Committee to contract with clubs or individuals to provide for recreational maintenance or services to the public. As part of the Plan, the County contracts for the following services:

1. Snowmobile trail grooming and maintenance.
2. ATV trail grading and maintenance.
3. Mountain bike trail grooming and maintenance.
4. Nordic ski trail grooming and maintenance.

925 RECREATIONAL USE PERMITS FOR ORGANIZED EVENTS

Any event on the Forest which is advertised to the public, for which a fee is charged, or is otherwise organized as an event, requires a permit or authorization by the Committee. Permits may be issued by the Committee provided the use is consistent with management activities and will not cause resource damage. Appropriate levels of event liability insurance is required.

930 EXTENSIVE RECREATIONAL USE OF THE FOREST

Extensive recreation includes those informal activities for which the County generally does not provide a facility or service. These uses include activities such as hunting, fishing, picnicking, horseback riding, photography, nature study, hiking and others. These uses do not require a permit but must be conducted in compliance with ordinance. The Forest Administrator and the Committee shall periodically review such uses and enact ordinances as necessary to protect from resource damage.

930.1 HUNTING AND TRAPPING

The entire County Forest is open to hunting and trapping with the exception of areas which are developed for high public use, such as Shooting Range Park, within 300 feet of the Nine Mile trailhead, chalet and maintenance garage or other areas designated by the Committee. In addition, Bitzke Waterfowl Refuge is closed to hunting and trapping from September 1 through November 15. From November 16 through August 31 the refuge is open to all hunting and trapping seasons designated by the Wisconsin Department of Natural Resources with the exception of waterfowl hunting which is closed year round.

The Marathon County Code of Ordinances regulates activities relating to hunting. Refer to Chapter 1000 for a full text of the Ordinance or it may be found here: <http://www.co.marathon.wi.us/departments/countyclerk/codeofordinances>. In general the following activities are regulated:

1. Tree Stands
2. Ground Blinds
3. Elevated Platforms (Freestanding)
4. Access Trail Identification
5. Shooting Lanes
6. Target Shooting
7. Trail Cameras
8. Waterfowl Blinds
9. Watercraft
10. Motorized Use

930.2 FISHING

All lakes and streams within the forest are available for fishing unless otherwise listed in state regulations.

930.3 PICNICKING / DAY USE

Picnicking and other day uses, outside of established facilities is allowed. The Marathon County Code of Ordinances also regulates day use. In general, the following activities are regulated:

1. All litter, trash or rubbish must be removed.
2. Cutting or harvesting vegetation is not permitted.
3. Fires may not be left unattended unless the ground is 100% snow covered.

930.4 CAMPING

A permit is required to camp on the County Forest. Permits are available from the County Parks, Recreation and Forestry Office and on the County website. In general, the following activities are regulated:

1. Littering or site destruction is not allowed.
2. The Committee will set the permit fee.
3. The maximum permitted time period is 14 days for any location.

930.5 MOTORIZED TRAVEL

The Marathon County Code of Ordinances regulates motorized uses on the County Forest. In general the following regulations apply to motorized travel outside of a developed recreational trail system.

1. It is illegal to operate a motor vehicle on a trail designated closed with a gate, earthen berm, sign, or other closure.
2. Two-wheeled motorized travel (motorcycles, mini bikes, dirt bikes) is not permitted anywhere on the County Forest unless the machine is street legal and operating on a County Forest Road (gas tax).

930.6 OTHER USES

Other uses of the County Forest are permitted provided they are not specifically addressed with the County Code of Ordinances. The County Board may, at any time, enact ordinances to protect the forest should damage begin to occur.

935 INTENSIVE RECREATION AREAS/USES

Intensive recreation includes those uses for which the County provides a trail or facility. The Marathon County Forest has developed sites and areas to accommodate a fairly high degree of public use. The Committee may prohibit other recreation activities that are not compatible with the intent of the developed facilities.

The Committee and the Parks, Recreation and Forestry Department has noted a marked increase in demand for recreation facilities. Marathon County may attempt to develop additional facilities and will maintain its currently developed facilities.

935.1 CAMPGROUNDS

There are no designated camping areas on County Forest.

935.2 YOUTH CAMP

There are no youth camps on County Forest.

935.3 PICNIC / DAY USE AREAS

There are no designated picnic or day use areas on County Forest.

935.4 SWIMMING AREAS / BEACHES

There are no designated formal swimming areas on County Forest.

935.5 BOAT LANDINGS

There are no boat landings on County Forest.

935.5.1 Undeveloped Water Access Points

One undeveloped water access point for canoes and boats currently exists at the Wisconsin River Forest Unit. This is used routinely to hand launch boats or canoes but has not been developed for boat trailer launching. This site is not routinely maintained and may be closed if erosion damage becomes severe. All new sites for developed water access must be reviewed and approved by the Committee.

935.6 SKI/TUBING HILLS

There are no ski or tubing hills on County Forest.

935.7 SHOOTING RANGE PARK

The archery and gun range was developed and is maintained and administered by the Marathon County Parks, Recreation and Forestry Department on the south end of the Nine Mile Forest Unit. The Committee will cooperate with the Commission to assist to the extent possible in the maintenance of the land and facilities within the park boundaries.

940 RECREATION TRAIL ACCESS

This trail network provides access for many recreational opportunities in the Forest. An important role of the Forest is to provide sustainable recreational trails that do not cause long-term natural resource damage and that are compatible with other uses. The Committee has the authority to open, close, or relocate trails. Non-motorized use of groomed snowmobile trails is not recommended due to serious safety concerns. Trail systems are identified in Chapter 1000.

945 DEMAND DEVELOPMENT/EXCLUSION

If a deficiency exists in trail mileage for a given user group, the Committee will receive recommendations and evaluate new trail proposals, with full consideration for resource protection, safety and potential for user conflicts due to County Forests being multiple use areas. An existing trail may be reclassified to satisfy demand consistent with the Fifteen-Year Plan or Comprehensive

Outdoor Recreation Plan. Trails may be closed or their use designation changed if they fail to satisfy the intended purpose or are found to be contributors to resource degradation.

950 TRAIL CONSTRUCTION AND MAINTENANCE

Requests for recreational trails will be reviewed by the Committee. Groups requesting specific trail development or use must present a plan for the long-term funding and maintenance of proposed trails.

Beginning in 2002 the Committee adopted a policy to restrict new trail expansion for all user groups at Nine Mile County Forest Recreation Area due to the density and trail mileages that currently exist. Improvements and reconstruction of trails within the same footprint will be considered by the Committee. Relocation of some trails for resource protection will also be considered. In this case the rerouted sections will be permanently closed and allowed to revegetate naturally. Total trail mileage will remain the same following the rerouted sections. Trail connections to Rib Mountain State Park will be considered to allow new trail development for connection to the State Park.

Construction or maintenance of any recreational trail in which the activity would increase the erosion potential of one acre or more of land is subject to state and federal stormwater runoff requirements (NR216, Wis. Adm. Code and s. 283.33, Wis. Stats.). Construction or development for silvicultural purposes is presently exempt from these requirements. Recreational trail development in Marathon County meeting these parameters will employ best management practices for water quality (PUB-FR-093-2010) to mitigate any adverse impacts. In addition, an erosion control plan will be prepared for each project depicting the location of the project and surrounding wetlands and what erosion control measures will be employed.

955 ORGANIZED TRAIL USE/SPECIAL EVENTS

The Parks, Recreation, and Forestry Department reserves the right to impose a bond for damage to the forest. Organized trail uses and group-sponsored activities must protect Marathon County with \$1,000,000 liability insurance coverage and provide a certificate of insurance as proof of coverage. Organizers may apply to hold special events by completing a Facility Use Agreement form. Special events will be considered by the Committee based upon the Nine Mile County Forest Event and Use Policy. Both the Facility Use Agreement Form and Event and Use Policy can be found in Chapter 1000.

960 DESIGNATED RECREATION TRAILS

Designated recreation trails are those for which the County provides a designated trail and/or facility. The County currently provides trail systems that accommodate a high degree of public use. The Committee may prohibit other activities on these trails that are not compatible with the intent of the development.

Whenever possible, multiple uses of various trail systems are encouraged and are subject to policy review of the Committee. The Committee will consider the primary purpose for which trails were developed and regulate use for the safety and enjoyment of the public and maintenance and protection of the Forest, including temporary or permanent trail closures. Wherever possible, attempts will be made to avoid user conflicts. Recreational users, however, will frequently encounter forest management activities instrumental to the existence and future of the County Forest. Management activities adjacent to designated recreation trails will be evaluated on a case by case basis. Where deemed necessary, alterations may be made to accommodate the recreational use. Trail systems are identified in Chapter 1000.

960.1 NON-MOTORIZED RECREATION TRAILS

The Marathon County Forest is a multiple use forest. Non-motorized recreation trails are a legitimate use of the forest. Design and maintenance of these trails may highlight natural features present on the Forest, should minimize damage, and reduce user conflict. Trail use and development must be compatible and sustainable with the characteristics of the landscape. It is the policy of the Committee to manage non-motorized recreation trails on the County Forest.

960.1.1 Hiking Trails

960.1.1.1 Undesignated Hiking Trails

All portions of the County Forest are open to hiking or foot travel unless marked with signs closing an area.

960.1.1.2 Designated Hiking Trails

Bitzke Bird Walk

This 1.9-mile walking trail in the Harrison-Hewitt Forest Unit meanders through a series of wetlands and flowages created for wetland animals. Designated as a waterfowl refuge by the Department of Natural Resources in 1985, the area has a history which includes logging, fire,

draining, and agriculture. As farming failed, nature began to reclaim the wetland. Aspen trees grew up on surrounding uplands which provided food for beaver. This trail is open to the public year round, but because of the refuge status, the public is required to stay on the marked trail from September 1 through November 15 and to abide by posted regulations. Maintenance of the walking trail is shared between the Wisconsin Department of Natural Resources and the County.

Boy Scout Hiking Trail

This 10.2-mile trail, of which 7.5 miles are designated, in the Nine Mile Forest Unit primarily follows an existing snowmobile and cross-country ski trails. The nature trail was built by the Boy Scouts to fulfill a need for a sanctioned metered course in the North Central Wisconsin area. Merit badge requirements make it compulsory that a scout travel a pretabulated course in compiling part of the mileage necessary for the award. A map of the Boy Scout hiking trail can be found in Chapter 1000.

960.1.2 Mountain Bike Trails

960.1.2.1 Undesignated Mountain Bike Trails

All trails, roads, and fire lanes are open for recreational bicycle use. Off-trail mountain bike use is prohibited to minimize the potential for erosion or other environmental damages.

960.1.2.2 Designated Mountain Bike Trails

Nine Mile Forest Bike Trail

It is the policy of the Committee to provide public designated mountain biking opportunities at Nine Mile County Forest. There are approximately 33.45 miles of trails, including over 13.45 miles of single track and 20 miles of cross-country ski trails designated open for bicycling. The trails open May 1 – May 15 to October 15 each year depending on trail conditions. During the first three weeks of May, trails open at Noon to allow safe and quality spring turkey hunting opportunities. Biking at Nine Mile requires the user to purchase a trail pass. A map of the designated bike trails can be found in Chapter 1000. Maintenance of the single track trails is primarily completed by volunteers of the Central Wisconsin Off Road Cycling Coalition (CWOCC) with approval by the Parks, Recreation and Forestry Department. Maintenance of the cross country ski trails is primarily completed by the Parks, Recreation and Forestry Department.

960.1.3 Equestrian Trails

960.1.3.1 Undesignated Equestrian Trails

All trails, roads, and fire lanes are open for recreational horseback trail riding except in the Harrison-Hewitt, and Bern Forest Units along with the Nine Mile cross-country and bike trails where horseback riding is prohibited. Off-trail horseback riding is also prohibited to minimize the potential for erosion, introduction of exotic species, and other environmental damage.

960.1.3.2 Designated Equestrian Trails

It is the policy of the Committee to provide public designated horseback riding trails at Nine Mile, Kronenwetter, and Leather Camp Forest Units. The snowmobile trail, approximately 10 miles at Nine Mile Forest, is signed and designated as a horseback riding trail. Additionally, both the Kronenwetter and Leather Camp Forest Units have approximately 18 miles designated for horseback riding although these trails are not signed. Maintenance of the equestrian trails is completed by the Parks, Recreation and Forestry Department. A map of the designated equestrian trails can be found in Chapter 1000.

960.1.4 Ski Trails

960.1.4.1 Undesignated Cross Country Ski Trails

All trails, roads, and fire lanes are open for cross-country skiing. Undesignated cross-country ski trails are not signed or maintained. Off trail cross-country skiing is permitted on the County Forest.

960.1.4.2 Designated Cross Country Ski Trails

It is the policy of the Committee to provide designated cross-country skiing opportunities in the County Forest. Nine Mile Forest offers 19.5 miles of regularly groomed ski trails that offer both skate skiing and diagonal skiing and facilities which provide a variety of terrain and scenery. Additionally, Marathon County also maintains ski trails at Sylvan Hill. Cross-country skiing on Nine Mile designated trails requires the user to purchase a trail pass. Donations are accepted at Sylvan Hill. Dog use on groomed cross-country ski trails is prohibited when such trails are open for skiing except while hunting in accordance with Department of Natural Resources regulations.

Maintenance of the cross country ski trails is primarily completed by the Parks, Recreation and Forestry Department. Volunteers from the Wausau Nordic Ski Club also provide assistance preparing the trails for the cross country ski season with approval by the Parks, Recreation and Forestry Department. A map of the designated cross country ski trails can be found in Chapter 1000.

960.1.5 Snowshoe Trails

960.1.5.1 Undesignated Snowshoe Trails

All trails, roads, and fire lanes are open for snowshoeing except on the Nine Mile cross-country ski trails. Undesignated snowshoe trails are not signed or maintained. Off-trail snowshoeing is also permitted on the County Forest.

960.1.5.2 Designated Snowshoe Trails

It is the policy of the Committee to provide public designated snowshoeing opportunities on the County Forest. Nine Mile Forest offers approximately 6.7 miles of signed snowshoe trails which include a variety of terrain and scenery. Snowshoeing on designated trails requires the user to purchase a trail pass. Generally, no maintenance is required on snowshoe trails. If required, it would be completed by the Parks, Recreation and Forestry Department. A map of the designated snowshoe trails can be found in Chapter 1000.

960.1.6 Other Non-Motorized Use

All County Forest trails are designated for non-motorized use except by permit, posted as closed, or as otherwise designated by the Committee. Gates and/or barriers will be constructed and strategically located to allow optimum maintenance while restricting motorized vehicular travel. Trail maintenance may be conducted in cooperation with the DNR Wildlife Manager.

960.1.7 Future Non-Motorized Trail Systems

The development of additional non-motorized trail systems will include careful consideration of public demand, analysis of user conflicts and potential damage to the natural resource. New trail proposals will be evaluated as indicated in Section 945.

Non-motorized trail systems generally are not supported by statewide grant programs. The County will require proof of an organized club, or user group, with the ability to assist with maintenance

and support of the trail and associated facilities. Appropriate trail passes, or other user fees, may be implemented as indicated in Section 915.

960.2 MOTORIZED RECREATION TRAILS

Motorized travel on trails can be legitimate use of the forest if these trails are designed and maintained in a manner to minimize damage to the environment and reduce user conflict. Trail use and development must be compatible and sustainable with the characteristics of the landscape. It shall be the policy of the Committee to consider opportunities for the following motorized trail use:

1. Snowmobiles.
2. All Terrain Vehicles (ATV's).
3. Utility Terrain Vehicles (UTV's)

960.2.1 Designated Snowmobile Trails

Designated snowmobile trails are those recognized by the Committee as the official trails within the County. The Parks, Recreation and Forestry Department manages the snowmobile trail system in Marathon County. Annual agreements outline the operation, maintenance and insurance obligations between the County and local clubs. The County contracts with the following snowmobile/ATV clubs for trail maintenance:

1. A & H Sno-Mobilers
2. Athens Sno-Pak
3. Birnamwood Trail Riders
4. Eau Pleine Riders Inc.
5. Elderon Sno-Angels
6. Emmet Sno-Drifters
7. Frankfort Freedom Riders
8. Glandon Snow Barons
9. Green Valley Stump Jumpers
10. Hamburg Rainbow Riders
11. Hatley Snowmobile Club
12. KK Riders
13. Kelly Snowshoes
14. Krecji City Cruisers
15. Little Rose Riders
16. Midnight Riders

17. Nutterville Sno-Nuts
18. Peplin Unlimited
19. Pike Lake Wilderness Unlimited
20. Poniatoski Dare Devils
21. Rib Knights
22. Rib Riders
23. Rothschild Urbanaires
24. Rozellville Wilderness Riders
25. Shantytown Snowmobile Club
26. Spencer Swamp Stompers
27. Stratford Sno-Runners
28. Trailmates Snowmobile Club
29. WI Valley Sno-Jets

The Marathon County Code 7.09 regulates snowmobile trails. A summary of rules and regulations relating to snowmobile trails is as follows:

1. All groomed snowmobile trails are closed to cars and trucks unless vehicle use is approved by Marathon County.
2. The Motorized Recreation Coordinator will make determinations to officially open and close snowmobile trails based on snow, trail maintenance conditions, and information provided by the clubs.
3. Snowmobile trails used for logging access during snowmobile season will be posted with signs warning users of activity and every attempt will be made to leave at least 3 inches of snow pack on the trail. However, they may be plowed down to the trail base in certain circumstances.
4. Trail width shall not exceed 16 feet.

Marathon County recognizes the following categories of snowmobile trail:

960.2.1.1 Trail Types

The County recognizes several different classifications of snowmobile trail:

State Funded Trails – these are State approved and funded trail miles on designated trails that are part of a Statewide network of trail systems. Snowmobile registration fees, trail pass sticker

fees and gas tax allotments fund grants that support maintenance, rehabilitation and development of these trails. There are approximately 791 miles of funded trails in Marathon County, with approximately 42.28 miles on County Forest Lands.

Unfunded Club Trails – these are segments of trail that are maintained to the same standards as a funded trail but do not meet the State’s eligibility requirements for a funded trail system. There are approximately 67 miles of unfunded trails in Marathon County, with approximately .11 miles on County Forest lands in the Leathercamp Forest Unit. It is recommended that the County continues to apply for grants to include these in the funded system.

960.2.1.2 Trail Maintenance

Marathon County contracts with Marathon County snowmobile clubs to groom the funded snowmobile trails. The County will maintain State trails in cooperation with the Marathon County Snowmobile Council and snowmobile clubs with funds provided by the DNR. The Parks, Recreation and Forestry Department will coordinate and administer the County-wide snowmobile trail program under s. 23.09(11) and (26) and 350.12(4), Wis. Stat., Natural Resources Code NR 50.09, and County General Code 7.09.

The County shall inspect and monitor bridges and other infrastructure on the trail system and attempt to secure funding from grants, or other sources, to periodically replace or rehabilitate as needed.

DNR’s Trail Signing Handbook will be used as the guide for posting standardized signs and will assist in promoting uniformity for trail signing throughout the County. Only trail signs that provide information for safety, regulations, or trail directions will be permitted. Private and business signs are not authorized on the Forest. All trail signs must be mounted on wooden or metal posts.

960.2.1.3 Future Snowmobile Trails

The Committee shall have jurisdiction over any trail development proposals. It is recommended that future trails be considered only after careful consideration of costs, benefits and impacts and as part of a larger planning effort.

Marathon County deems that the existing number of snowmobile trail miles is sufficient to satisfy public demand.

Proposals to relocate trails or to make adjustments to the existing trail system will be encouraged where there are concerns of public safety or environmental damage. Unfunded and club trails may be evaluated for maintenance funding application.

960.2.2 Undesignated Snowmobile Trails

There are no undesignated snowmobile trails on County Forest. Snowmobile use is permitted on designated trails only.

960.2.3 Designated ATV Trails

Designated ATV Trails are those recognized by the Committee as official trails within the County. These may lie on County, private, or other agency lands. Annual agreements outline the operation, maintenance and insurance obligations between the County and local clubs. The County contracts with the following snowmobile/ATV clubs for trail maintenance:

1. Mid-Wisconsin Trail Blazers Club

There are numerous types of designated ATV trails managed by Marathon County.

960.2.3.1 Trail Types

The County recognizes several different classifications of ATV trail. Maps are appended in Chapter 1000 for reference.

1. Funded Winter ATV Trails – State funded snowmobile trails on the County Forest are also designated and funded as winter use ATV trails. There are approximately 699.5 miles of winter funded ATV trail managed by Marathon County, with 42.28 miles on County Forest lands.

Designated snowmobile trails are open for winter ATV use during the snowmobile season if the air temperature is 28°F or colder. ATV's are permitted on designated snowmobile trails on County Forest 10 days following the opening of the trails. The trails remain open until the snowmobile trails are closed or if the trail base can no longer support ATV use.

2. Funded Summer ATV Trails – these are trail systems funded for only summer use. These trails are open from May 1 – September 30. There are approximately 20.75 miles of summer use ATV trails managed by the County with 11 miles on the County Forest.
3. Funded Year Round ATV Trails - these are trail systems funded for both winter and summer use. There are approximately 699.5 miles of year round funded ATV trails managed by Marathon County with 11 miles on the County Forest.
 - a. The Burma Road Forest Unit trails are designated for year-round use. Summer trails are open from 6 a.m. to 10 p.m. May 1 through September 30 and winter trails are open from December 1 through March 15. Burma Forest ATV/UTV trails are open Dec. 1 – March 15 regardless of air temperature.
4. Funded UTV Trails – UTV’s, or side by sides, are not allowed on snowmobile/winter ATV trail systems. Marathon County allows for UTV’s on 20.75 miles of the trail system within the County with 11 miles on the County Forest. (Burma County Forest Unit and Edgar to Fenwood Trail.)
5. Funded Troute/Hybrid Trails – The ATV/UTV program does not allow for full maintenance funding on ATV/UTV trails that are open to highway traffic (cars, trucks, etc.) ATV trails with this dual use that were maintained and funded prior to August 1, 2012 are still funded at 100% of the annual per mile maintenance rate. Trails funded after August 1, 2012 allow for partial funding under the following categories:
 - a. County Forest Gas Tax Roads – these are gas tax roads used as a connector to trails or services and are funded at a rate determined by the full per mile funding rate, less gas tax funding rate, not to exceed 50% of the full maintenance funding rate. Marathon County maintains 0 miles of County Forest Road Troutes.
 - b. Hybrid Trails – these are trails designated as ATV trails, opened after August 1, 2012, that also permit highway vehicle traffic. These are funded at 50% of the annual maintenance funding rate. Marathon County maintains 0 miles of Hybrid/Troute trails.

c. Club Trails – These trails are not funded under the State ATV program. In some cases these are trails that are maintained and may be added as a funded trail at a future date. Marathon County recognizes 0 miles of club trails.

d. State Trails – There are no State trails either funded or unfunded in Marathon County.

6. Undesignated ATV/UTV Trails

There are no undesignated ATV or UTV trails on County Forest. ATV and UTV use is permitted on designated trails only.

960.2.3.2 ATV Trail Maintenance

For the purpose of ATV trails, the term sustainability is intended to mean the development of a trail surface that is maintainable. It appears evident there are no circumstances where an ATV trail can be considered sustainable without intensive maintenance. Of primary importance, trail surfaces need to be conducive to periodic grading or restoration that promotes water runoff from the trail surface and eliminates the opportunity for water flow to gain velocity, causing erosion.

The County has contracts with local clubs and organizations for the grooming, brushing, signing, and maintenance of these trails. Funding for maintenance is provided by the State ATV program.

The County shall inspect and monitor trails, bridges and other infrastructure and attempt to secure funding from grants, or other sources, to periodically replace improvements or rehabilitate trail surfaces or bridges as needed.

960.2.3.3 Future ATV Trails

The use and popularity of ATV's and UTV's increased dramatically over the period of the 2006-2020 County Forest Plan. Increased usage of trail systems proved a tremendous need for much higher levels of trail maintenance in order to manage environmental damages.

The Marathon County Forest has ten different Forest Units with Burma Forest being the only one with summer ATV/UTV trails. During the last planning process 2006 – 2020 it was determined that no new summer ATV trails would be considered due to the reasons below:

1. Unsuitable soil types
2. User conflicts
3. Small forest units without capability to connect trail systems to other counties/trail systems.
4. Only looped trail opportunities
5. Maintenance issues
6. Impacts on natural resources
7. Impacts on other users/user groups

It shall be the policy of the Committee to continue to allow summer ATV/UTV use at Burma Road. No other summer ATV/UTV use shall be approved.

It is critical that trail layout and design is done in such a way as to prevent erosion and soil loss. Trails must be developed sustainably. For the purpose of this plan, sustainability is defined as follows:

Sustainability – For the purpose of ATV trails, the term sustainability is intended to mean the development of a trail surface that is maintainable. It appears evident there are no circumstances where an ATV trail can be considered sustainable without intensive maintenance. Of primary importance, trail surfaces need to be conducive to periodic grading or restoration that promotes water runoff from the trail surface and eliminates the opportunity for water flow to gain velocity, causing erosion. Trails will be built with a slight crown and appropriate ditching to allow for adequate and proper water dispersal. To this end, the construction/development and maintenance of ATV trails are to comply with the **WCFA ATV/ORV Trail Standards**, which is appended in Chapter 1000 to this Plan.

960.2.4 Designated Motorcycle Trails

There are no designated motorcycle trails on County Forest.

960.2.5 Other Motorized Recreational Vehicle Trails

1. Designated

There are no designated other motorized recreational vehicle trails on County Forest.

Other motorized recreational use on the County Forest is prohibited.

2. Undesignated

There are no other undesignated motorized recreational vehicle trails on County Forest. Other motorized recreational use on the County Forest is prohibited.

960.2.6 Recreational Access with Persons with Disabilities

The Committee supports recreational access for persons with permanent disabilities. Federal and State disabled access guidelines will be met when required.

Requests for access in non-motorized areas will be considered on a case-by-case basis and be limited to ATV's/UTV's or snowmobiles. No other motorized access will be allowed. Permits may be granted if:

1. The Permittee provides proof as disabled under DOT or DNR guidelines. Requires Class A, B or C disabled hunter permit or disabled DOT license plate.
2. The requested use will not damage soil or vegetation in the area of use.
3. The requested use will not endanger other users.
4. The requested use will not significantly impact other users of the Forest.

Additionally, if a permit is granted, the ATV/UTV or snowmobile must be clearly marked with a sign provided by the Parks, Recreation and Forestry Department that reads "Disabled" or "Disabled Hunter". The permit shall be limited to a specific entry point and area. The permit shall not exceed two weeks.

Permits are granted by the Committee under County General Code 16.08(9)(c). A copy of the permit can be found in Chapter 1000.

960.3 RECREATION TRAIL PERMITS

960.3.1 Storm Water Discharge

In general, any trail construction or rehabilitation activities that disturb one acre or more of land will require a Storm Water Discharge Permit. There have been instances of inconsistent application of permit requirements Statewide. In order to further define the County's understanding and implementation of permit requirements, the following current acceptable process will be used for determining when a permit is needed.

1. The 1 acre threshold will be determined by measuring/estimated new disturbance or disturbance of previously grassed surfaces.

2. Periodic grading of impervious or non-grassed trail surfaces is not considered disturbance.
3. Restoration of water filtration/diversion devices, such as sediment traps or catch basins is considered maintenance and not disturbance.
4. Reconstruction of previously grassed ditch lines as part of trail rehabilitation is considered disturbance.

960.3.2 Chapter 30

Permits are required for new bridges or culvert crossings of navigable waterways. These permits will either be classified as general or individual depending on specific site conditions. These permits are not required for culvert or bridge crossings of non-navigable or intermittent streams, nor or they required to install a clear span bridge over wetlands.

960.3.3 Wetland Fill

Permits are required at any time that fill is placed in a wetland. Permits are available to fill small wetlands for recreation trail purposes. Wetland fill must be less than 10,000 square feet and the permit does not require wetland mitigation. Clear span bridge and boardwalks placed on pilings generally do not require a wetland fill permit. Puncheon style bridges do require a permit.

965 RECREATION PROGRAM FUNDING AND GRANTS

965.1 RECREATION AREA FUNDING

Funding for recreation areas is generally fee based. Aid for Development of Local Parks (ADLP) funding is available for facility development or enhancement but there is normally a very high level of competition for these funds.

965.2 RECREATION TRAIL FUNDING

965.2.1 Non-motorized trail systems

At this time, there is very limited access to any grant funds that will assist with non-motorized recreational trail maintenance. The County relies on user fees and/or funds maintenance out of the Parks, Recreation and Forestry operating budgets.

965.2.2 Motorized trail systems

There are numerous grant programs available to offset motorized trail system costs. Marathon County utilizes the following funding sources:

1. Snowmobile Maintenance - \$300/mile
2. ATV Summer Maintenance - \$600/mile
3. ATV Winter Maintenance - \$100/mile
4. UTV Maintenance - \$100/mile
5. ATV Rehabilitation - 100% grants
6. ATV Development - 100% grants



International Association
for Public Participation

IAP2 Spectrum of Public Participation

Increasing Level of Public Impact

Inform

To provide the public with balanced and objective information to assist them in understanding the problem, alternatives, opportunities and/or solutions.

Consult

To obtain public feedback on analysis, alternatives and/or decisions.

Involve

To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.

Collaborate

To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.

Empower

To place final decision-making in the hands of the public.

Public participation goal

Promise to the public

We will keep you informed.

We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public input influenced the decision.

We will work with you to ensure that your concerns and aspirations are directly reflected in the alternatives developed and provide feedback on how public input influenced the decision.

We will look to you for advice and innovation in formulating solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.

We will implement what you decide.

Example techniques

- Fact sheets
- Web sites
- Open houses

- Public comment
- Focus groups
- Surveys
- Public meetings

- Workshops
- Deliberative polling

- Citizen advisory committees
- Consensus-building
- Participatory decision-making

- Citizen juries
- Ballots
- Delegated decision