WOOD COUNTY, WI FOREST COMPREHENSIVE LAND USE PLAN TABLE OF CONTENTS CHAPTER 2000

PLANNING, REPORTS & BUDGET

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2000 NEEDS, OBJECTIVE AND FORMAT

Objectives: To provide guidelines, which define the optimum level of activities, which should be undertaken to achieve full potential benefits from the forest.

Format and Policy: Needs for the county forest shall be listed without regard to budgetary constraints or other limitations. This list shall identify the forest potential in terms of public benefits, investments or opportunities, and financial returns. Silvicultural needs of the county forest are identified in the Forest Compartment Reconnaissance printout. The DNR Public Lands Handbook describes procedures for use of this information. Other needs shall be determined by the Committee and the forest administrator, with technical assistance from the DNR and other interested agencies or individuals qualified to provide such assistance.

2005 DETAILED ANNUAL NEEDS FOR FIFTEEN YEARS

Annual silvicultural needs are identified in the Forest Compartment Reconnaissance printout. The printout, referenced in the plan, is available in the County Forest Administrator's office. Printout listings include timber harvests, tree planting, and other silvicultural activities. Other unanticipated needs will be addressed in accordance with procedures outlined in this plan. These items will be identified and plans made for implementation, as part of the annual budget work plan prepared by the administrator and Committee. Annual work plans are approved by the County Board and forwarded to the DNR as required by statute (s. 28.11(5) (b) and s.28.11 (5m) (b), Wis. Stats.

2010 SUMMARY OF FIFTEEN-YEAR NEEDS

A schedule giving a summary of silvicultural needs for the period covered by this plan, appear as an inclusion in this chapter.

| | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | Total | Average/year |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------------|
| Timber Harvest - acres - Total | 1866 | 762 | 915 | 953 | 1002 | 784 | 693 | 622 | 625 | 776 | 677 | 622 | 432 | 593 | 643 | 11,965 | 799 |
| Regeneration Harvests - acres - Total | 1089 | 535 | 550 | 726 | 768 | 652 | 553 | 525 | 543 | 514 | 440 | 531 | 432 | 548 | 584 | 8,990 | 599 |
| Aspen | 314 | 270 | 283 | 271 | 280 | 290 | 271 | 289 | 359 | 268 | 295 | 318 | 272 | 444 | 440 | 4,664 | 311 |
| Bottomland Hardwoods | 220 | 35 | 23 | 69 | 45 | 65 | 29 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 514 | 34 |
| Central Hardwoods | 48 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 4 |
| Red Maple | 97 | 102 | 39 | 16 | 108 | 124 | 124 | 71 | 12 | 119 | 55 | 5 | 0 | 0 | 47 | 919 | 61 |
| Oak | 274 | 49 | 84 | 285 | 248 | 96 | 57 | 43 | 67 | 74 | 56 | 153 | 107 | 46 | 85 | 1,724 | 115 |
| Scrub Oak | 29 | 16 | 33 | 5 | 0 | 0 | 2 | 0 | 49 | 4 | 5 | 0 | 0 | 0 | 0 | 143 | 10 |
| Jack Pine | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 6 | 0 | 9 | 0 | 0 | 0 | 0 | 41 | 3 |
| Red pine | 40 | 43 | 27 | 54 | 21 | 19 | 37 | 61 | 25 | 37 | 9 | 0 | 25 | 0 | 0 | 398 | 27 |
| White Pine | 51 | 20 | 61 | 26 | 40 | 58 | 14 | 33 | 25 | 12 | 11 | 49 | 28 | 58 | 12 | 498 | 33 |
| White Spruce | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 22 | 1 |
| Intermediate Harvests - acres - Total | 777 | 227 | 365 | 227 | 234 | 132 | 140 | 97 | 82 | 262 | 237 | 91 | 0 | 45 | 59 | 2,975 | 200 |
| Aspen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bottomland Hardwoods | | 0 | 0 | 41 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 208 | 14 |
| Central Hardwoods | 0 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 6 |
| Red Maple | 18 | 18 | 0 | 0 | 14 | 0 | 0 | 0 | 6 | 0 | 16 | 64 | 0 | 0 | 29 | 165 | 11 |
| Oak - acres | 197 | 6 | 61 | 0 | 101 | 0 | 0 | 42 | 0 | 32 | 0 | 0 | 0 | 35 | 0 | 474 | 32 |
| Scrub Oak | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 3 |
| Jack Pine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Red Pine | 299 | 115 | 166 | 54 | 11 | 7 | 0 | 22 | 21 | 78 | 0 | 0 | 0 | 0 | 0 | 773 | 52 |
| White Pine | 125 | 88 | 138 | 0 | 108 | 96 | 140 | 33 | 55 | 152 | 221 | 27 | 0 | 10 | 30 | 1,223 | 82 |
| White Spruce | | | | | | | | | | | | | | | | | |
| Reforestation | | | | | | | | | | | | | | | | | |
| Planting - acres | 0 | 62 | 34 | 43 | 144 | 70 | 43 | 8 | 8 | 61 | 25 | 14 | 16 | 57 | 51 | 636 | 42 |
| Direct Seeding - acres | 6 | 26 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 3 |
| Site Preparation - acres | 62 | 34 | 43 | 144 | 70 | 43 | 8 | 8 | 61 | 25 | 14 | 16 | 57 | 51 | 0 | 636 | 42 |
| Timber Stand improvement/Cultural | | | | | | | | | | | | | | | | | |
| Herbicide for invasives | 234 | 9 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 287 | 19 |
| Chemical Realease - Conifers - acres | 21 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 3 |
| Hardwood TSI/Crop Tree Release - acres | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 51 | 8 | 0 | 0 | 0 | 0 | 75 | 7 |
| Thinning - Non Commercial - acres | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 4 |
| Shearing Aspen to promote regeneration | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 2 |

Note: The "Needs" schedule is put together for planning purposes. The best available information has been used in developing the schedule. It is not intended to be followed without modification. Forests are dynamic and managers must be adaptive to change. Funding and staffing shortfalls may also affect the ability of Wood County Parks Forestry Department to fulfill identified needs. Refer to Chapter 2020 – Annual Work Plan and Budget for reference on progress towards the identified needs in this chapter.

2015 WORK PLAN OBJECTIVE AND POLICY

OBJECTIVE

To develop an annual work plan and budget that will satisfy the needs specified in Chapter 100 to the greatest extent feasible, consistent with program priorities established in the Mission Statement.

POLICY

The County Forest program will sustain a level of operation that considers the needs of the forest and the public in accordance with the goals identified in Chapter 100.

2020 ANNUAL WORK PLAN AND BUDGET

Each year, the forest administrator shall prepare an Annual Work Plan and Budget with assistance from the Committee and the DNR Liaison Forester. This plan shall be based upon the detailed annual needs contained in Section 1100 of the Plan. Annual work plans are approved by the County Board and forwarded to the DNR Division of Forestry as required by Wisconsin statutes s. 28.11(5)(b) and s.28.11(5m)(b). Following County Board approval, a copy is provided to official copyholders of the County Forest Comprehensive Land Use Plan for inclusion as an amendment in this chapter.

Insert Annual Work Plans and Budgets

2021 Wood County Forest Annual Work Plan Potential Timber Sales for 2021:

REGENERATION & FINAL HARVESTS:

| COMPARTMENT | STANDS | ACRES | FOREST TYPE | TOWNSHIP |
|-------------|-------------|-------|----------------|-----------|
| 6 | 6 | 14 | OAK | REMINGTON |
| 18 | 2 | 5 | OAK | PORT ED. |
| 19 | 5,9 | 30 | ASPEN,OAK | PORT ED. |
| 22 | 2,1 | 52 | ASPEN, | CRANMOOR |
| | | | W.SPRUCE | |
| 37 | 16 | 94 | OAK | HILES |
| 41 | 6 | 102 | ASPEN | HILES |
| 54 | 19 | 20 | OAK | DEXTER |
| 54 | 15 | 11 | R.PINE | DEXTER |
| 61 | 1 | 15 | R.MAPLE | DEXTER |
| 62 | 1 | 26 | R.PINE | DEXTER |
| 63 | 5 | 12 | R.PINE | DEXTER |
| 66 | 21,22,29,30 | 99 | ASPEN, OAK, | CRANMOOR |
| | | | C.HWD, BOT.HWD | |
| 69 | 2 | 56 | ASPEN | CRANMOOR |
| 70 | 8,14,19 | 67 | OAK, R.PINE | CRANMOOR, |
| | | | | PORT ED. |
| 71 | 6 | 43 | R.MAPLE | SENECA |
| 72 | 17 | 7 | W.PINE | SENECA |
| 77 | 6 | 58 | W.PINE | SENECA |
| | | | | |

Total Regeneration Acres = 711

THINNINGS

| COMPARTMENT | STANDS | ACRES | FOREST TYPE | TOWNSHIP |
|-------------|----------|-------|-------------|--------------|
| 11 | 11 | 20 | OAK | REMINGTON |
| 19 | 14 | 50 | R.PINE | PORT ED. |
| 37 | 8 | 40 | OAK | HILES |
| 54 | 22 | 5 | R.PINE | DEXTER |
| 61 | 7 | 23 | R.PINE | DEXTER |
| 62 | 10 | 15 | W.PINE | DEXTER |
| 63 | 17 | 10 | R.PINE | DEXTER |
| 69 | 1,15 | 21 | R.PINE | SENECA, PORT |
| | | | | ED. |
| 70 | 21,22,24 | 38 | R.PINE | PORT ED. |
| 72 | 9 | 28 | W.PINE | SENECA |

Total Thinning Acres = 250

TOTAL FOR ALL POTENTIAL TIMBER SALES = 961 ACRES

WILDLIFE HABITAT PROJECTS:

Wildlife Habitat Grant funding was cut by 50% in 2009 due to DNR budgetary concerns. What was once known as "Dime-an-Acre" has now become "Nickel-an-Acre".

Wildlife projects, utilizing Nickel-an-Acre monies, identified for the year 2021 include: Red-Shouldered Hawk: Survey suitable habitat within new timber harvest areas as needed. Survey sites will be determined after 2021 harvest schedule is completed.

Another potential project agreed upon is tag alder & non-merchantable aspen shearing to improve grouse and woodcock habitat. Local WDNR wildlife biologist will work with forest administrator and county forest liaison to locate areas suitable for such habitat improvements.

Reserve remaining funds (if any) as allowed by program rules for future projects. A maximum total of up to three years of grant monies may be accumulated without penalty.

2021 REFORESTATION/CULTURAL PROJECTS:

a) Reforestation:

- No major tree planting projects are planned for spring 2021, as site prep contractor was unable to undertake work within necessary timeframe. Site prep will be rescheduled for late summer 2021, resulting in tree planting spring 2022.
- Jack pine seeding: The following table is a list of sites that have been identified as suitable for seeding to jack pine. These sites, and possibly others, will be/have been scarified with assistance from DNR dozer(s) followed by direct seeding to jack pine.

| Compartment | Stand(s) | Acreage |
|-------------|----------|---------|
| 18 | 11 | 6 |
| 33 | 2 | 25 |
| 73 | 3 | 5 |

^{*} Also identify other suitable sites for seeding to jack pine in the future.

TOTAL 36 acres

b) Cultural Projects:

• These projects will be undertaken as time and availability of personnel permit.

CULTURAL PROJECTS

Non-commercial thinning:

| Compartment | Stand | Timber Type | Acreage |
|-------------|-------|---------------|----------|
| 73 | 12 | Oak/ Red Pine | 18 |
| 74 | 2 | Aspen/Oak | 9 |
| | | TOTAL: | 27 acres |

Release/TSI:

| Compartment | Stand | Timber Type | Acreage | |
|-------------|-------|---------------------|---------|-----------------------------|
| 20 | 16 | Red Pine/White Pine | 9 | Chemical Release |
| 34 | 2 | Oak | 47 | Chem. TSI (ironwood) |
| 69 | 1, 15 | Red Pine | 21 | Chem. Invasive Spp. control |
| 70 | 1 | Red Pine/White Pine | 25 | Chemical Release |
| 70 | 9 | Red Pine/White Pine | 60 | Chemical Release |
| 70 | 16 | Red Pine/White Pine | 28 | Chemical Release |
| 71 | 12 | Jack Pine | 9 | Chemical Release |
| 71 | 21 | Jack Pine | 12 | Chemical Release |
| 73 | 4 | Red Pine/White Pine | 50 | Chemical Release |
| | | TOTAL: | 261 a | cres |

Site Prep:

- Compartment 70, stand 5: pre-planting herbicide site prep and trenching for 2022 tree planting project, approximately 30 acres.
- Compartment 71, stand 20: Scarified late summer/fall 2020, chemical invasive species treatment to follow in 2021 for 2022 direct seeding or tree planting, 9 acres.
- Compartment 69, stand 6: Scarify late summer/fall 2021, chemical invasive species treatment to follow in 2022 for direct seeding 2023, 11 acres.

TOTAL: 50 acres

RECON UPDATING:

- Routine recon updates due to timber sales completion as needed.
- Backlog recon project: update approximately 1700 acres of old recon.
- Evaluate natural and artificial regeneration on approximately 448 acres.

OTHER WORK NEEDS:

a) 15-Year Comprehensive Land Use Plan:

• Complete revision of Wood County 15-year plan as required by state statute for meeting county forest program requirements. This will be a lengthy process and large workload, will involve public input, and ultimately require County Board and DNR approval.

b) Forestry Technician:

• Continue training Forestry Technician to improve skills related to forestry aspects of the position. The Technician position shall be focused on timber stand improvement, invasive species management, forest infrastructure maintenance, and shall assist with timber sale establishment, forest recon, tree planting, surveys, ATV trail development, etc.

c) Road Repairs & Access Management:

*Road repair efforts in 2020 were substantial; however, some improvements and regular maintenance will be needed in 2021. Heavily traveled county forest roads open to vehicular travel are in better shape but still vulnerable to wet conditions. Furthermore, it is expected road maintenance needs will increase on certain roads destined to become part of the new Wood County ATV trail system. Road maintenance and improvements will continue to be a main work priority for the forestry technician.

- Continue project to repair and protect damaged roads on the county forest. Road repairs and closures will occur throughout the county forest as time and manpower permit. Install boulders and rebuild berms throughout county forest where vehicles are gaining illegal access and damaging roads or dumping trash.
- Begin project to improve road and install railroad crossing in compartment 46 for the purpose of timber sale access.
- Improve parking and vehicular access control off Puff Creek Boulevard (south access to the Richfield 360 block of county forest).

d) Recreation:

- ATV Trail Improvement: Maintain trail identification and signage improvements to the Wood County ATV intensive use area located south of HWY 54 near Port Edwards. Also, work with DNR forestry technicians to incorporate dozer-training time for trail maintenance purposes whenever possible. Improve access for emergency vehicles and first responders.
- Maintain new ATV trail system on county forest including signage, brushing, grading.
- ATV trail Development: Begin process of building 4 miles of new ATV trail, which has been awarded \$400K through DNR ATV grant program.
- Continue to assist with current effort to develop an ATV route & trail system in Wood County.
 Continue identification and planning for future trail development projects within Wood County Forest lands.
- Mountain Bike Trails: Work with local individuals who have begun developing a mountain bike
 trail system in the South Bluff Block of Wood County Forest. Develop helicopter-landing site for
 emergency response.

e) Land Surveying Needs:

• Several areas of the county forest are in need of surveying and boundary line establishment. We will continue a survey project, using budgeted dollars, to facilitate timber sale establishment in areas of the county forest in need of management. We will also work with neighboring landowner requests to locate property lines provided good monumentation exists, and as time permits.

f) Easements, Encroachments, Land Transactions:

• Investigate and address easement, land trade requests and encroachments as they arise. Investigate opportunities to purchase parcels advantageous to the management of the county forest as they arise.

g) Forest Certification:

• Continue to make changes necessary to comply with forest certification corrective actions previously identified and as solutions are developed.

h) Wildlife Habitat:

• Continue to involve the wildlife biologist in timber sales design, planning for Nickel-an-Acre grant funds, and in identifying wildlife habitat improvement projects.

i) Invasive Species:

• Continue efforts to treat of most severe infestations of buckthorn. County forest locations include timber stands in Compartments 69,74,75,79.

j) Beaver Issues:

• Continue to address increasing complaints about beaver activities on Wood County Forest where they are negatively affecting town roads and recreational trails. Make use of volunteer trappers whenever possible.

k) Technical Forestry Training & Technology:

- Take advantage of training and continuing educational opportunities offered through DNR, FISTA, and other professional forestry organizations as time permits.
- Continue to improve proficiency in use of GIS, GPS, and related technology. As needed, attend training to utilize this technology for managing the county forest more efficiently.

- Cooperate with other entities (e.g. FISTA, UWSP, WLAWCA) to promote forestry and natural resource educational efforts.
- Acquire Wisconsin Pesticide Applicators Certification.

1) Drainage Ditch Management:

- Continue efforts to work with cranberry grower requests to clean selected ditches to improve drainage. Ditch cleaning projects will be discussed with appropriate DNR, Army Corps of Engineers, County Planning and Zoning personnel to insure proper design and permits are in place.
- Incorporate possible ditch cleaning operations/requests into timber sale design and harvest schedule

m) Hardwood Bombing Range Expansion:

Although the issue of the Hardwood Bombing Range has subsided and there are no current expansion plans known, we will continue maintain relations with the Air National Guard and monitor and respond as necessary to issues relating to the bombing range.

| | 2021 Budget Summary | | | | | | | | | | |
|------------------------------------|---------------------------------|------------------------------------|-----------|--|--------------------------------------|---|-----------------------------------|---|-------------|----------|-------------|
| Department: 21 - Parks | 2101 - Parks- Administration | 2102 - Parks- Snowmobile Trails | | 2104 - Parks-State Wildlife Habitat | 2105 - Parks-Co Forests State Aid | 2106 - Parks- State Forestry Road | 2107 - Parks- Capital Projects | 2108 - Parks- Powers Bluff Dev Proj | 2021 Total | Change % | 2020 Budget |
| Expense / Expenditure | | | | | | | | | | | |
| 100 - Personnel Services | 1,164,460 | 0 | 0 | | | | | | 1,164,460 | -1.61% | 1,183,478 |
| 200 - Contractual Services | 312,615 | | | 2,000 | | 7,000 | | | 321,615 | -0.22% | 322,325 |
| 300 - Supplies and Expense | 108,420 | 253,777 | 474,740 | | | | 4,330 | 100 | 841,367 | +315.94% | 202,282 |
| 500 - Fixed Charges | 72,667 | | 926 | | | | | | 73,593 | +14.56% | 64,240 |
| 700 - Grants and Contributions | 6,601 | | | | | | | | 6,601 | 0.00% | 6,601 |
| Total Operating Expenditures | 1,664,763 | 253,777 | 475,666 | 2,000 | ••••• | 7,000 | 4,330 | 100 | 2,407,636 | +35.34% | 1,778,926 |
| 800 - Capital Outlay | 80,000 | | | | | | 25,000 | | 105,000 | +14.13% | 92,000 |
| 900 - Other Financing Uses | | | | | | | 0 | | 0 | 0.00% | 0 |
| Expense / Expenditure Total | 1,744,763 | 253,777 | 475,666 | 2,000 | | 7,000 | 29,330 | 100 | 2,512,636 | +34.30% | 1,870,926 |
| Revenue / Funding Source | | | | | | | | | | | |
| 43 - Intergovernmental Revenues | (48,935) | (253,777) | (145,547) | (1,772) | | (3,340) | 0 | | (453,371) | +109.50% | (216,411) |
| 45 - Fines, Forfeits and Penalties | (750) | | | | | | | | (750) | 0.00% | (750) |
| 46 - Public Charges for Services | (1,070,000) | | | | | | | | (1,070,000) | +14.44% | (935,000) |
| 48 - Miscellaneous Revenues | (16,503) | | (4,100) | | 0 | | (12,165) | (2,000) | (34,768) | -10.09% | (38,668) |
| 49 - Other Financing Sources | 0 | | | | | | | | 0 | 0.00% | 0 |
| Total Operating Revenues | (1,136,188) | (253,777) | (149,647) | (1,772) | 0 | (3,340) | (12,165) | (2,000) | (1,558,889) | +30.91% | (1,190,829) |
| Revenue / Funding Source Total | (1,136,188) | (253,777) | (149,647) | (1,772) | 0 | (3,340) | (12,165) | (2,000) | (1,558,889) | +30.91% | (1,190,829) |
| Beginning Carryover | 0 | 27901 | 310320 | 2257 | 319207 | 4938 | 152333 | 12100 | | | |
| Ending Carryover | 0 | 27901 | -15699 | 2029 | 319207 | 1278 | 135168 | 14000 | | | |
| 21 - Parks Tax Levy | 608,575 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 953,747 | +40.24% | 680,097 |

| | | | | 2020 B | Sudget Summary | | | | |
|------------------------------------|---------------------------------|------------------------------------|---------------------------------------|--|--------------------------------------|---|-----------------------------------|---|-------------|
| Department: 21 - Parks | 2101 - Parks- Administration | 2102 - Parks- Snowmobile Trails | 2103 - Parks-ATV Trail Maintenance | 2104 - Parks-State Wildlife Habitat | 2105 - Parks-Co Forests State Aid | 2106 - Parks- State Forestry Road | 2107 - Parks- Capital Projects | 2108 - Parks- Powers Bluff Dev Proj | 2020 Budget |
| Expense / Expenditure | | | | | | | | | |
| 100 - Personnel Services | 1,183,478 | 0 | 0 | ı | | | | | 1,183,478 |
| 200 - Contractual Services | 312,825 | | | 2,500 | | 7,000 | | | 322,325 |
| 300 - Supplies and Expense | 107,420 | 79,777 | 10,655 | | | | 4,330 | 100 | 202,282 |
| 500 - Fixed Charges | 63,414 | | 826 | | | | | | 64,240 |
| 700 - Grants and Contributions | 6,601 | | | | | | | | 6,601 |
| Total Operating Expenditures | 1,673,738 | 79,777 | 11,481 | 2,500 | | 7,000 | 4,330 | 100 | 1,778,926 |
| 800 - Capital Outlay | 52,000 | | | | | | 40,000 | | 92,000 |
| 900 - Other Financing Uses | | | | | | | 0 | | 0 |
| Expense / Expenditure Total | 1,725,738 | 79,777 | 11,481 | 2,500 | | 7,000 | 44,330 | 100 | 1,870,926 |
| Revenue / Funding Source | | | | | | | | | |
| 43 - Intergovernmental Revenues | (48,126) | (79,777) | (6,826) | (1,772) | | (3,300) | (76,610) | | (216,411) |
| 45 - Fines, Forfeits and Penalties | (750) | | | | | | | | (750) |
| 46 - Public Charges for Services | (935,000) | | | | | | | | (935,000) |
| 48 - Miscellaneous Revenues | (16,503) | | (6,000) | | 0 | | (14,165) | (2,000) | (38,668) |
| 49 - Other Financing Sources | 0 | | | | | | | | 0 |
| Total Operating Revenues | (1,000,379) | (79,777) | (12,826) | (1,772) | 0 | (3,300) | (90,775) | (2,000) | (1,190,829) |
| Revenue / Funding Source Total | (1,000,379) | (79,777) | (12,826) | (1,772) | 0 | (3,300) | (90,775) | (2,000) | (1,190,829) |
| Beginning Carryover | 0 | 12596 | 282 | 1220 | 319207 | 5944 | 280607 | 3707 | |
| Ending Carryover | 0 | 12596 | 1627 | 492 | 319207 | 2244 | 327052 | 5607 | |
| 21 - Parks Total | 725,359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 680,097 |

2025 ACCOMPLISHMENT REPORTS OBJECTIVE AND POLICY

OBJECTIVE: To provide a quantifiable means of evaluating progress on both short and long term goals on the Wood County Forest.

POLICY: Annual accomplishments will be recorded as a historical record, to assist in future planning, and to provide documentation for both the County, and the County Forest system. This information is invaluable in addressing public, County Board, and other legislative inquiries on the operation of the Forest as well as assessing progress on goals.

2030 ANNUAL ACCOMPLISHMENT REPORTS

A copy of an annual accomplishment report (a.k.a. Annual Report) shall be prepared and provided to members of the County Board and to official copyholders of this Plan for inclusion into this chapter.

This report shall include, at a minimum, the following:

- 1. Timber sale accomplishments including gross and net sale receipts and harvest goals achieved.
- 2. Timber stand improvements accomplishments.
- 3. Recreation development and maintenance accomplishments.
- 4. Wildlife management accomplishments.
- 5. Fisheries management accomplishments.
- 6. Other accomplishments.

Insert Annual Reports

2035 PAST ACCOMPLISHMENTS

2035.1 FOREST PRODUCTS 2035.1.1 Timber

Historical record of timber sale activity by year. Data taken from WDNR Report 28A.

| | NUMBER | MBF | CORDS | ACRES | TOTAL CORD | VALUE | | NUMBER | MBF | CORDS | ACRES | TOTAL CORD | VALUE |
|--------------|----------|-----------|--------------|------------|--------------|--------------------|-------|----------|----------------|------------------|--------------|------------------|------------------------|
| YEAR | OF SALES | SAWTIMBER | | CUT | EQUIVALENT | OF SALES | YEAR | OF SALES | SAWTIMBER | | CUT | EOUIVALENT | OF SALES |
| 1935 | 0 | 0 | 0 | 0 | 0 | \$0 | 1979 | 8 | 0 | 5.023 | 200 | 5,023 | \$45,982 |
| 1936 | 0 | 0 | 0 | 0 | 0 | \$0 | 1980 | 24 | 0 | 9,072 | 709 | 9,072 | \$97,772 |
| 1937 | 0 | 0 | 0 | 0 | 0 | \$0 | 1981 | 9 | 27 | 2,165 | 208 | 2,178 | \$14,229 |
| 1938 | 0 | 0 | 0 | 0 | 0 | \$0 | 1982 | 9 | 0 | 2,616 | 241 | 2,616 | \$26,360 |
| 1939 | 0 | 0 | 0 | 0 | 0 | \$0 | 1983 | 6 | 0 | 2,075 | 169 | 2,075 | \$27,587 |
| 1940 | 0 | 0 | 0 | 0 | 0 | \$0 | 1984 | 3 | 0 | 1,054 | 40 | 1,054 | \$2,194 |
| 1941 | 0 | 0 | 0 | 0 | 0 | \$0 | 1985 | 10 | 0 | 4,839 | 357 | 4,839 | \$40,829 |
| 1942 | 0 | 0 | 0 | 0 | 0 | \$0 | 1986 | 9 | 0 | 4,359 | 357 | 4,359 | \$56,381 |
| 1943 | 0 | 0 | 0 | 0 | 0 | \$0 | 1987 | 4 | 7.12 | 2,031 | 66 | 2,046 | \$10,057 |
| 1944 | 0 | 0 | 0 | 0 | 0 | \$0 | 1988 | 2 | 84.39 | 343 | 34 | 343 | \$23,179 |
| 1945 | 0 | 0 | 0 | 0 | 0 | \$0 | 1989 | 15 | 15.08 | 8,261 | 467 | 8,292 | \$31,029 |
| 1946 | 0 | 0 | 0 | 0 | 0 | \$0 | 1990 | 13 | 27 | 5,915 | 317 | 5,974 | \$48,863 |
| 1947 | 0 | 0 | 0 | 0 | 0 | \$0 | 1991 | 21 | 26.12 | 8,828 | 536 | 8,886 | \$41,263 |
| 1948 | 1 | 0 | 30 | 2 | 30 | \$15 | 1992 | 16 | 0 | 10,209 | 945 | 10,300 | \$39,204 |
| 1949 | 2 | 0 | 42 | 3 | 42 | \$43 | 1993 | 11 | 221.12 | 8,714 | 634 | 9,209 | \$75,860 |
| 1950 | 1 | 0 | 8 | 1 | 8 | \$12 | 1994 | 20 | 0 | 12,416 | 890 | 12,636 | \$107,432 |
| 1951 | 0 | 0 | 0 | 0 | 0 | \$0 | 1995 | 14 | 22.74 | 9,638 | 647 | 9,688 | \$99,733 |
| 1952 | 0 | 0 | 0 | 0 | 0 | \$0 | 1996 | 14 | 123.35 | 13,239 | 1,153 | 13,595 | \$92,007 |
| 1953 | 0 | 0 | 0 | 0 | 0 | \$0 | 1997 | 9 | 16.56 | 9,052 | 672 | 9,093 | \$96,726 |
| 1954 | 9 | 3 | 36 | 64 | 43 | \$2,706 | 1998 | 18 | 124.64 | 11,510 | 948 | 11,787 | \$128,497 |
| 1955 | 11 12 | 123 | 1,785 | 169 219 | 2,057 | \$4,912 \$2.042 | 1999 | 9 | 64.85 0 | 5,941 0 | 415 0 | 6,263 | \$109,814 \$0 |
| 1956 | | 0 | 806 | | 806 | | 2000 | | | | | | |
| 1957 1958 | 8 11 | 57 0 | 461 1,343 | 115 311 | 588 1,343 | \$2,214 \$2,819 | 2001 | 15 15 | 54.3 145.08 | 11,941 14,795 | 843 1,159 | 12,064 15,144 | \$274,407 \$335,307 |
| 1958 | 18 | 71 | 473 | 214 | 630 | \$2,673 | 2002 | 9 | 131.75 | 9,649 | 664 | 9,985 | \$241,578 |
| 1960 | 10 | 0 | 206 | 32 | 206 | \$464 | 2003 | 5 | 11.13 | 3,395 | 229 | 3,419 | \$63,878 |
| 1961 | 3 | 0 | 195 | 37 | 195 | \$429 | 2004 | 30 | 994.05 | 23,411 | 1,815 | 25,790 | \$763,708 |
| 1962 | 2 | 0 | 1,376 | 199 | 1,376 | \$2,506 | 2006 | 13 | 357.21 | 8,841 | 509 | 9,728 | \$253,936 |
| 1963 | 7 | 465 | 277 | 329 | 1,303 | \$8,128 | 2007 | 9 | 175.07 | 4,728 | 348 | 7,702 | \$126,311 |
| 1964 | 5 | 53 | 1,720 | 203 | 1,837 | \$4,663 | 2008 | 25 | 574.21 | 16,462 | 1.075 | 18,065 | \$616,410 |
| 1965 | 4 | 416 | 85 | 416 | 1,158 | \$0 | 2009 | 11 | 326.72 | 9,647 | 641 | 10,525 | \$346,829 |
| 1966 | 4 | 0 | 406 | 54 | 406 | \$1.116 | 2010 | 14 | 289.7 | 10,193 | 692 | 10,843 | \$501,039 |
| 1967 | 4 | 0 | 969 | 166 | 969 | \$1,934 | 2011 | 4 | 100.52 | 2,226 | 191 | 2,447 | \$85,801 |
| 1968 | 7 | 0 | 2,084 | 274 | 2,084 | \$10,961 | 2012 | 13 | 241.15 | 11,057 | 794 | 11,588 | \$486,126 |
| 1969 | 5 | 0 | 566 | 47 | 566 | \$3,681 | 2013 | 22 | 813.58 | 21,095 | 1,263 | 22,887 | \$852,773 |
| 1970 | 5 | 230 | 803 | 180 | 1,258 | \$13,071 | 2014 | 7 | 378.53 | 8,320 | 509 | 9,152 | \$296,827 |
| 1971 | 7 | 0 | 963 | 128 | 963 | \$3,317 | 2015 | 9 | 223.73 | 12,639 | 775 | 13,131 | \$639,902 |
| 1972 | 11 | 0 | 1,769 | 186 | 1,769 | \$7,686 | 2016 | 11 | 361 | 10,098 | 541 | 10,892 | \$490,074 |
| 1973 | 17 | 0 | 3,524 | 377 | 3,524 | \$9,745 | 2017 | 0 | 0 | 0 | 0 | 0 | \$0 |
| 1974 | 23 | 0 | 8,209 | 540 | 8,209 | \$60,286 | 2018 | 18 | 399.33 | 14,249 | 732 | 15,128 | \$742,410 |
| 1975 | 14 | 0 | 2,935 | 258 | 2,935 | \$11,573 | 2019 | 7 | 243.71 | 7,712 | 367 | 8,248 | \$433,421 |
| 1976 | 10 | 0 | 3,878 | 258 | 3,878 | \$33,077 | 2020 | 7 | 171.78 | 7,154 | 376 | 7,532 | \$245,221 |
| 1977 | 16 | 0 | 4,196 | 391 | 4,196 | \$31,145 | TOTAL | 714 | 8170.52 | 385,982 | 28,843 | 407,902 | \$9,247,445 |
| 1978 | 8 | 0 | 1,925 | 142 | 1,925 | \$15,271 | | | | | | | |

2035.1.2 Non-timber forest products

Wood County has issued very few non-timber forest products over time. The only records available include two permits issued during the last planning period (2006-2020) for collecting maple and birch saplings to be used for artwork. Additionally, there have been a few special permits written for Christmas trees during the past planning period.

2035.2 Reforestation

| Year | Planting acres | Seeding acres | Year | Planting acres | Seeding acres |
|------|----------------|---------------|------|----------------|---------------|
| 1935 | 741 | 0 | 1978 | 10 | 0 |
| 1936 | 0 | 0 | 1979 | 43 | 0 |
| 1937 | 285 | 0 | 1980 | 80 | 0 |
| 1938 | 0 | 0 | 1981 | 48 | 0 |
| 1939 | 353 | 0 | 1982 | 67 | 0 |
| 1940 | 740 | 0 | 1983 | 87 | 0 |
| 1941 | 572 | 0 | 1984 | 85 | 0 |
| 1942 | 158 | 0 | 1985 | 15 | 0 |
| 1943 | 40 | 0 | 1986 | 29 | 0 |
| 1944 | 114 | 0 | 1987 | 54 | 0 |
| 1945 | 69 | 0 | 1988 | 8 | 0 |
| 1946 | 121 | 0 | 1989 | 0 | 0 |
| 1947 | 141 | 0 | 1990 | 33 | 0 |
| 1948 | 115 | 0 | 1991 | 63 | 0 |
| 1949 | 175 | 0 | 1992 | 13 | 0 |
| 1950 | 74 | 0 | 1993 | 41 | 0 |
| 1951 | 91 | 0 | 1994 | 0 | 0 |
| 1952 | 110 | 44 | 1995 | 0 | 0 |
| 1953 | 145 | 0 | 1996 | 45 | 0 |
| 1954 | 226 | 0 | 1997 | 0 | 0 |
| 1955 | 85 | 0 | 1998 | 3 | 0 |
| 1956 | 131 | 0 | 1999 | 0 | 0 |
| 1957 | 87 | 0 | 2000 | 0 | 0 |
| 1958 | 95 | 0 | 2001 | 0 | 0 |
| 1959 | 100 | 0 | 2002 | 0 | 0 |
| 1960 | 91 | 0 | 2003 | 15 | 0 |
| 1961 | 75 | 0 | 2004 | 3 | 32 |
| 1962 | 46 | 0 | 2005 | 3 | 8 |
| 1963 | 70 | 0 | 2006 | 23 | 0 |
| 1964 | 61 | 0 | 2007 | 0 | 0 |
| 1965 | 0 | 0 | 2008 | 29 | 0 |
| 1966 | 0 | 0 | 2009 | 24 | 0 |
| 1967 | 0 | 0 | 2010 | 47 | 0 |
| 1968 | 40 | 0 | 2011 | 26 | 15 |
| 1969 | 25 | 0 | 2012 | 0 | 0 |
| 1970 | 76 | 0 | 2013 | 21 | 13 |
| 1971 | 0 | 0 | 2014 | 112 | 15 |
| 1972 | 8 | 0 | 2015 | 0 | 12 |
| 1973 | 0 | 0 | 2016 | 0 | 9 |
| 1974 | 10 | 0 | 2017 | 90 | 0 |
| 1975 | 49 | 0 | 2018 | 0 | 0 |
| 1976 | 77 | 0 | 2019 | 0 | 0 |
| 1977 | 12 | 0 | 2020 | 0 | 16 |

2035.3 Timber Stand Improvement

The following table shows acres of improvement work completed by year. Projects include aspen maintenance (post sale shearing), pine release, white pine pruning, oak release, and non-commercial thinning. Records of the type of practice completed in each year are not available.

| Year | Timber Stand Improvement Acres |
|------|--------------------------------------|
| 1942 | 493 |
| 1959 | 20 |
| 1961 | 40 |
| 1962 | 149 |
| 1963 | 63 |
| 1977 | 10 |
| 1978 | 35 |
| 1979 | 41 |
| 1980 | 89 |
| 1981 | 114 |
| 1983 | 50 |
| 1984 | 34 |
| 1985 | 180 |
| 1986 | 105 |
| 1987 | 94 |
| 1988 | 110 |
| 1990 | 97 |
| 1993 | 40 |
| 1996 | 24 |
| 2009 | 15 |
| 2014 | 20 |
| 2019 | 43 |

2035.4 Recreational Developments

| | | | | | 32 | 240 F | Recrea | ation | al Dev | velop | omei | nts | | | | | |
|------|--------------------------------|-------------------------|----------------------------|-------------------|----------------------------|-----------------------|-------------------|------------------|----------------------------------|-----------------|-------------------------|-----------------------|-----------------------------------|-----------------------------------|-----------|---|--------------------------------------|
| Year | Snowmobile Trail Mileage | ATV Trail Mileage | Hiking Trail Mileage | Skiing Mileage | # of Shooting Ranges | # of Boat Landings | # of Campsites | # of Shelters | # of Toilets (Pit & Flush) | # of Showers | # of Beach Houses | # of Play- grounds | # of Volley- ball Courts | # of Fish Cleaning Stations | Accecible | # of Accessible Hunting Blinds | Mountain Bike Trail Mileage |
| 1948 | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 1 | - | 1 | - | - |
| 1953 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1964 | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | - | 1 | - | - |
| 1966 | - | - | - | - | - | 1 | - | - | 1 | 1 | - | - | 1 | - | 1 | - | - |
| 1967 | - | - | - | - | - | 1 | - | - | 2 | - | - | - | 1 | - | 1 | - | - |
| 1968 | - | - | - | - | - | 1 | 45 | - | 1 | - | 1 | - | 1 | - | 1 | - | - |
| 1969 | - | - | - | - | - | 1 | - | - | 1 | - | - | - | 1 | - | 1 | - | - |
| 1970 | - | - | - | - | - | 1 | - | - | 1 | - | - | - | 1 | - | 1 | - | - |
| 1972 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| 1974 | 30 | - | - | - | - | - | 28 | - | 2 | - | - | - | - | - | - | - | - |
| 1978 | - | - | - | - | - | - | 23 | - | 1 | - | - | - | - | - | - | - | - |
| 1982 | - | - | 5 | 5 | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 1985 | - | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1987 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| 1988 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - |
| 1992 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 1993 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| 1994 | - | 2 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 1995 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 2001 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - |
| 2003 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| 2008 | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - |
| 2010 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - |
| 2012 | - | - | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2015 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| 2019 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 |
| 2020 | - | 5 | - | - | - | - | 10 | - | - | - | - | - | - | - | - | - | - |

^{*}Note: Tennis courts in Dexter Park were removed and replaced with volleyball courts in 2015.

2035.5 Wildlife Projects

| 2035.5 | Wild | llife Pı | rojects | | | | | | |
|--------------|---------------------------------|------------------|--------------------------|---------------------------------|---|--------------------------------|------------------------------|---------------------------|------------------------------|
| Year | Flowages Developed/ Acres | Roads (Miles) | # of Parking Areas | Jack Pine Seeding (Acres) | Tag Alder & Aspen Shearing (Acres) | Wildlife Seeding (Acres) | Prairie Establish ment | # of Raptor Surveys | # of Carnivore Surveys |
| 1962 | 1/312 | _ | _ | _ | (Acres) | _ | (Acres) | _ | _ |
| 1963 | - | - | _ | _ | _ | - | - | _ | |
| 1964 | - | - | _ | _ | _ | _ | _ | _ | _ |
| 1965 | _ | _ | | _ | - | | - | _ | |
| 1966 | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| 1967 | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| 1968 | _ | _ | _ | _ | _ | _ | _ | - | _ |
| 1969 | - | - | _ | - | - | _ | _ | - | - |
| 1970 | - | - | - | - | - | - | - | - | - |
| 1971 | - | - | - | - | - | - | - | - | - |
| 1972 | - | - | - | - | - | - | - | - | - |
| 1973 | - | - | - | - | - | - | - | - | - |
| 1974 | - | - | - | - | - | - | - | - | - |
| 1975 | - | - | - | - | - | - | - | - | - |
| 1976 | - | - | - | - | - | - | - | - | - |
| 1977 | - | - | - | - | - | - | - | - | - |
| 1978 | - | - | - | - | i | - | - | - | - |
| 1979 | - | - | - | - | - | - | - | - | - |
| 1980 | - | - | - | - | - | - | - | - | - |
| 1981 | - | - | - | - | - | - | - | - | - |
| 1982 | - | - | - | - | - | - | - | - | - |
| 1983 | - | - | - | - | - | - | - | - | - |
| 1984 | - | - | - | - | - | - | - | - | - |
| 1985 | 1/11 | - | - | - | - | - | - | - | - |
| 1986 | - | - | - | - | - | - | - | - | - |
| 1987 | - | - | - | - | - | - | - | - | - |
| 1988 | - | - | - | - | - | - | - | - | - |
| 1989 | - | - | - | - | - | - | - | - | - |
| 1990 1991 | - | - | - | - | - | - | - | - | - |
| 1991 | - | - | - | - | - | - | - | - | - |
| 1993 | - | - | | - | - | | | | _ |
| 1994 | - | _ | _ | _ | _ | - | - | _ | _ |
| 1995 | _ | 1.4 | _ | _ | _ | _ | _ | _ | _ |
| 1996 | _ | - | _ | - | _ | - | - | _ | _ |
| 1997 | - | - | - | - | - | _ | _ | - | - |
| 1998 | - | - | 1 | - | - | - | - | - | - |
| 1999 | - | - | - | - | - | - | - | - | - |
| 2000 | - | - | 2 | - | - | - | - | - | - |
| 2001 | - | 0.6 | 1 | - | - | - | - | - | - |
| 2002 | - | - | - | - | - | - | 7 | - | - |
| 2003 | - | - | - | - | - | - | - | - | - |
| 2004 | - | - | 2 | 8 | 50 | - | - | 1 | 1 |
| 2005 | - | - | - | - | 23 | 1 | - | 1 | - |
| 2006 | - | - | - | - | - | - | - | 1 | - |
| 2007 | - | - | - | - | 21 | - | - | 1 | - |
| 2008 | - | - | - | - | 17 | - | - | 1 | - |
| 2009 | - | - | - | - | 10 | 4 | - | 1 | - |
| 2010 | - | - | - | - | - | - | - | 1 | - |
| 2011 | - | - | - | 15 | - | - | - | 1 | - |
| 2012 | - | - | - | 10 | - | - | - | 1 | - |
| 2013 | - | - | - | 13 | - | - | - | 1 | - |
| 2014 | - | - | - | 7 | - | - | - | 1 | - |
| 2015 | - | - | - | 12 | - | - | - | 1 | - |
| 2016 | - | - | - 11 | 9 | - | - 2 | - | 1 | - |
| 2017 | - | - | 11 | - | - | 3 | - | 1 | - |
| 2018 | | | 11 2 | | | | | 1 | - |
| 2019 | - | - | 5 | 7 | 9 | - | - | 1 | - |
| 2020 | - | - | 3 | , | , | - | _ | 1 | - |
| | | | | | | | | | |

2040 MONITORING

2040.1 Forest Types

| 2040 MONITORING | | | | | | | | |
|---------------------|-----|--------|-----------|--------|-----|--------|--|--|
| 2040.1 FOREST TYPES | | | | | | | | |
| | WOC | D COL | INITY EOR | FST CO | MDO | NOITIZ | | |
| | WOO | DD COU | INTY FOR | EST CO | MPO | SITION | | |
| | WOC | DD COU | INTY FOR | EST CO | MPO | SITION | | |

| Information taken from pr | evious 15 y | ear plan and | DNR Repor | t #207 | | | | | | |
|--------------------------------|---------------|--------------|---------------|---------|---------------|---------|------------|---------|------------|---------|
| Forest Type | 1977 Acres | 1977% | 1995 Acres | 1995% | 2005 Acres | 2005% | 2020 Acres | 2020% | 2035 Acres | 2035% |
| Aspen | 18, 154 | 51.10% | 18,218 | 49.20% | 17,616 | 46.70% | 12,425 | 33.20% | 12,398 | 33.10% |
| Balsam Fir | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% | 3 | 0% |
| Bottomland Hardwoods | 787 | 2.20% | 952 | 2.60% | 1,155 | 3.10% | 1,237 | 3.30% | 1,225 | 3.30% |
| Central Hardwoods | 0 | 0% | 32 | 0.10% | 15 | 0% | 302 | 0.80% | 227 | 0.60% |
| Fir-Spruce | 23 | 0.10% | 53 | 0.10% | 53 | 0.10% | 0 | 0% | 0 | 0% |
| Jack Pine | 486 | 1.40% | 506 | 1.40% | 309 | 0.80% | 129 | 0.30% | 161 | 0.40% |
| Northern Hardwoods | 78 | 0.20% | 257 | 0.70% | 290 | 0.80% | 0 | 0% | 41 | 0.10% |
| Oak | 2,606 | 7.30% | 2,205 | 6.00% | 3,497 | 9.30% | 6,207 | 16.60% | 5,938 | 15.60% |
| Red Maple | 0 | 0% | 0 | 0% | 296 | 0.80% | 3,014 | 8.00% | 2,746 | 7.30% |
| Red pine | 3,029 | 8.50% | 2,409 | 6.50% | 2,319 | 6.20% | 1,778 | 4.70% | 1,612 | 4.30% |
| Scrub Oak | 1,073 | 3.00% | 1,775 | 4.80% | 1,518 | 4.00% | 515 | 1.40% | 409 | 1.10% |
| Swamp Hardwoods | 0 | 0% | 0 | 0% | 0 | 0% | 13 | 0% | 13 | 0% |
| Tamarack | 33 | 0.10% | 120 | 0.30% | 255 | 0.70% | 231 | 0.60% | 231 | 0.60% |
| White Birch | 28 | 0.10% | 118 | 0.30% | 61 | 0.20% | 5 | 0% | 5 | 0% |
| White Pine | 0 | 0% | 1,469 | 4.00% | 1,684 | 4.50% | 2,723 | 7.30% | 3,604 | 9.60% |
| White Spruce | 0 | 0% | 0 | 0% | 0 | 0% | 38 | 0.10% | 29 | 0.10% |
| Total Forested | 26,297 | 74.00% | 28,114 | 76.00% | 29,068 | 77.20% | 28,617 | 76.40% | 28,642 | 76.50% |
| Campground | 0 | 0% | 0 | 0% | 0 | 0% | 52 | 0.10% | 52 | 0.10% |
| Emergent Vegetation | 0 | 0% | 179 | 0.50% | 60 | 0.20% | 57 | 0.20% | 57 | 0.20% |
| Herbaceous Vegetation | 0 | 0% | 17 | 0.10% | 17 | 0% | 19 | 0.10% | 5 | 0% |
| Low-Growing Shrubs | 26 | 0.10% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Lowland Brush | 0 | 0% | 111 | 0.30% | 78 | 0.20% | 101 | 0.30% | 101 | 0.30% |
| Lowland Brush - Alder | 513 | 1.40% | 778 | 2.10% | 861 | 2.30% | 901 | 2.40% | 901 | 2.40% |
| Lowland Brush – Red Dogwood | 85 | 0.20% | 85 | 0.20% | 131 | 0.30% | 109 | 0.30% | 109 | 0.30% |
| Lowland Brush – Willow | 3,265 | 9.20% | 2,001 | 5.40% | 1,858 | 4.90% | 1,765 | 4.70% | 1,765 | 4.70% |
| Lowland Grass | 0 | 0% | 4,745 | 12.80% | 4,591 | 12.20% | 4,885 | 13.00% | 4,885 | 13.10% |
| Marsh | 4,556 | 12.80% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Minor Lake | 0 | 0% | 35 | 0.10% | 39 | 0.10% | 48 | 0.10% | 48 | 0.10% |
| Minor Stream | 0 | 0% | 42 | 0.10% | 265 | 0.70% | 261 | 0.70% | 261 | 0.70% |
| Motorized Vehicle Trail | 0 | 0% | 0 | 0% | 0 | 0% | 12 | 0% | 12 | 0% |
| Muskeg-Bog | 0 | 0% | 63 | 0.20% | 56 | 0.10% | 11 | 0% | 11 | 0% |
| Parking Area | 0 | 0% | 0 | 0% | 0 | 0% | 12 | 0% | 12 | 0% |
| Picnic Area | 0 | 0% | 0 | 0% | 0 | 0% | 27 | 0.10% | 27 | 0.10% |
| R.O.W. | 0 | 0% | 199 | | 153 | 0.40% | 117 | 0.30% | 117 | 0.30% |
| Rock Outcrops | 0 | 0% | 8 | 0% | 7 | 0% | 6 | 0% | 6 | 0% |
| True Grasses | 792 | 2.20% | 0 | 0% | 0 | 0% | 120 | 0.30% | 115 | 0.30% |
| Upland Brush | 21 | 0.10% | 25 | 0.10% | 7 | 0% | 19 | 0.10% | 13 | 0% |
| Upland Grass | 0 | 0% | 231 | 0.60% | 146 | 0.40% | 45 | 0.10% | 45 | 0.10% |
| Water | 0 | 0% | 248 | 0.70% | 263 | 0.70% | 263 | 0.70% | 263 | 0.70% |
| Misc. | 0 | 0% | 115 | 0.30% | 101 | 0.30% | 0 000 | 0% | 0 005 | 0% |
| Total non-forest | 9,258 | 26.00% | 8,882 | 24.00% | 8633 | 22.80% | 8,830 | 23.60% | 8,805 | 23.50% |
| Total Property | 35,555 | 100.00% | 36,996 | 100.00% | 37,701 | 100.00% | 37,447 | 100.00% | 37,447 | 100.00% |
| | | | | | | | | | | |
| | | | | | | | | | | |

The aspen forest type is the major type found on Wood County Forest (currently 33.2% of total property acreage). Aspen acreage declined significantly over the past planning period (2005-2020), dropping from 17,616 to 12,425 acres (-29%). While the past plan projected aspen acreage to stay relatively stable, the decline is likely due to over mature aspen stands converting to other species such as red maple. In addition, recon data has been improved over time with increased efforts at cleaning up backlogged and outdated recon. A secondary reason for the drop in aspen percentage is due to land trades resulting in a change in cover type acreages. Recon data currently shows 1375 acres of mature aspen over 60 years old. These stands are most likely going to convert/have converted to other species. Although the table above suggests Aspen is expected to remain somewhat steady over the current planning period, it is probably more realistic to expect some further decrease in aspen acreage due to natural succession to other species, and as recon updates occur.

Other expected changes to note include a decrease in the oak and red pine types with a more substantial increase in the white pine type. Much of the increase in white pine acreage can be attributed to natural succession from the scrub oak, over mature aspen, and mature red pine stands. Red pine acreage is likely to decrease significantly over time. 911 acres (51%) of our red pine will reach maturity over the current planning period. Most of our red pine stands occur as plantations, and as these plantations grow and mature, other species become established in the understory. Furthermore, red pine does not naturally regenerate very well. Frequently the choice is made <u>not</u> to replant red pine, and accept what is naturally occurring. Simply put, we are not replanting our red pine at the rate at which it is maturing. However, it is likely that we will continue to plant red pine to some degree, depending on many site factors including soils, water table, access, competing species, etc.

Additionally, it should be noted that recent weather trends resulting in shorter periods of frozen ground, are likely to affect our ability to manage our forest the way we would like according to our harvest schedule and plans. Accessing much of our timber depends on frozen ground conditions. If this weather trend continues, it will likely impact forest management decisions, regeneration of certain species, changes in age class distribution, harvest operations, as well as revenues. Lastly, recent negative trends in local pulpwood markets may also provide challenges in future management of the forest and could have long-term consequences for forest management locally, as well as and on a statewide level.

2040.2 Harvesting

| А | SPEN (| Acres) | | OAK (A | Acres) | RE | D PINE (| Acres) | WI | HITE PINE | (Acres) |
|---------------------|--------|-------------|-------------------|--------|-------------|-------------------|----------|-------------|-------------------|-----------|-------------|
| Year | Need | Established | Year | Need | Established | Year | Need | Established | Year | Need | Established |
| 2006 | 2797 | 85 | 2006 | 950 | 152 | 2006 | 522 | 141 | 2006 | 254 | 56 |
| 2007 | 365 | 62 | 2007 | 77 | 150 | 2007 | 109 | 261 | 2007 | 90 | 48 |
| 2008 | 300 | 159 | 2008 | 147 | 329 | 2008 | 143 | 173 | 2008 | 131 | 207 |
| 2009 | 115 | 461 | 2009 | 136 | 70 | 2009 | 148 | 104 | 2009 | 40 | 132 |
| 2010 | 431 | 183 | 2010 | 83 | 387 | 2010 | 234 | 141 | 2010 | 18 | 0 |
| 2011 | 451 | 182 | 2011 | 183 | 341 | 2011 | 320 | 333 | 2011 | 169 | 15 |
| 2012 | 180 | 124 | 2012 | 272 | 407 | 2012 | 63 | 195 | 2012 | 182 | 32 |
| 2013 | 15 | 77 | 2013 | 265 | 342 | 2013 | 88 | 91 | 2013 | 95 | 116 |
| 2014 | 282 | 15 | 2014 | 100 | 205 | 2014 | 34 | 87 | 2014 | 52 | 9 |
| 2015 | 259 | 31 | 2015 | 74 | 239 | 2015 | 29 | 171 | 2015 | 0 | 27 |
| 2016 | 335 | 104 | 2016 | 159 | 309 | 2016 | 125 | 228 | 2016 | 162 | 73 |
| 2017 | 329 | 95 | 2017 | 150 | 0 | 2017 | 103 | 0 | 2017 | 128 | 42 |
| 2018 | 324 | 43 | 2018 | 142 | 215 | 2018 | 97 | 89 | 2018 | 116 | 81 |
| 2019 | 310 | 67 | 2019 | 146 | 41 | 2019 | 92 | 39 | 2019 | 115 | 35 |
| 2020 | 314 | 122 | 2020 | 145 | 47 | 2020 | 91 | 59 | 2020 | 114 | 0 |
| Totals (15 yrs.) | 6,807 | 1,810 | Totals (15 yrs.) | 3,029 | 3,234 | Totals (15 yrs.) | 2,198 | 2,112 | Totals (15 yrs.) | 1,666 | 873 |
| Annual Average | 455 | 121 | Annual Average | 202 | 216 | Annual Average | 147 | 141 | Annual Average | 111 | 58 |

2040.2 Harvesting (Continued)

| RED | MAPL | E (Acres) | воттом | I LAND (Acr | HARDWOODS es) | ALL OT | HER SPEC | CIES (Acres) |
|-------------------|------|--------------------------|-------------------|----------------|------------------|-------------------|-------------------------|---|
| Year | Need | Established | Year | Need | Established | Year | Need | Established |
| 2006 | 133 | 0 | 2006 | 435 | 0 | 2006 | 73 | 0 |
| 2007 | 0 | 102 | 2007 | 0 | 40 | 2007 | 77 | 4 |
| 2008 | 0 | 45 | 2008 | 0 | 28 | 2008 | 72 | 10 |
| 2009 | 0 | 0 | 2009 | 0 | 9 | 2009 | 65 | 21 |
| 2010 | 0 | 24 | 2010 | 22 | 0 | 2010 | 59 | 0 |
| 2011 | 0 | 106 | 2011 | 27 | 0 | 2011 | 60 | 33 |
| 2012 | 43 | 36 | 2012 | 0 | 25 | 2012 | 61 | 8 |
| 2013 | 114 | 20 | 2013 | 0 | 0 | 2013 | 49 | 36 |
| 2014 | 0 | 79 | 2014 | 0 | 0 | 2014 | 34 | 87 |
| 2015 | 0 | 3 | 2015 | 0 | 0 | 2015 | 32 | 20 |
| 2016 | 37 | 60 | 2016 | 45 | 0 | 2016 | 47 | 8 |
| 2017 | 42 | 0 | 2017 | 49 | 0 | 2017 | 33 | 0 |
| 2018 | 47 | 0 | 2018 | 49 | 0 | 2018 | 29 | 136 |
| 2019 | 54 | 71 | 2019 | 49 | 0 | 2019 | 0 | 40 |
| 2020 | 59 | 0 | 2020 | 49 | 0 | 2020 | 34 | 15 |
| Totals (15 yrs.) | 529 | 546 | Totals (15 yrs.) | 725 | 93 | Totals (15 yrs.) | 725 | 418 |
| Annual Average | 35 | 36 | Annual Average | 48 | 6 | Annual Average | 48 | 28 |
| | | udes Northern acreage | | | | Jack Pine Whi | , Scrub Oa te Spruce | White Birch, ak, Fir-Spruce, , Central Tamarack. |

| ΔΠ | SAI | FS (| (Acres) |
|----|-----|------|---------|
| | JAL | | 176163 |

| Year | Need (from 2006-2020 Plan) | Established | Recon in lieu of Sale | Total Sale activity | Sold | Closed |
|-------------------|-------------------------------|-------------|-----------------------|---------------------|-------|--------|
| 2006 | 5,255 | 434 | 0 | 434 | 363 | 689 |
| 2007 | 641 | 667 | 0 | 667 | 758 | 349 |
| 2008 | 737 | 951 | 85 | 1,036 | 959 | 1,131 |
| 2009 | 439 | 797 | 150 | 947 | 447 | 701 |
| 2010 | 824 | 735 | 261 | 996 | 1,022 | 682 |
| 2011 | 1,150 | 1,010 | 329 | 1,339 | 549 | 276 |
| 2012 | 740 | 827 | 38 | 865 | 977 | 842 |
| 2013 | 577 | 682 | 503 | 1,185 | 811 | 1,382 |
| 2014 | 468 | 482 | 40 | 522 | 658 | 509 |
| 2015 | 362 | 491 | 113 | 604 | 448 | 775 |
| 2016 | 910 | 782 | 554 | 1,336 | 748 | 542 |
| 2017 | 834 | 137 | 364 | 501 | 0 | 0 |
| 2018 | 804 | 564 | 168 | 732 | 859 | 1,055 |
| 2019 | 806 | 253 | 251 | 504 | 253 | 367 |
| 2020 | 806 | 243 | 271 | 514 | 177 | 376 |
| Totals | 15,353 | 9,055 | 3,127 | 12,182 | 9,029 | 9,676 |
| Annual Average | 1,024 | 604 | 208 | 812 | 602 | 645 |

2040.3 Flora/Fauna

Oak wilt continues to spread, particularly in the Port Edwards block, and is a significant management issue for Wood County. More timber sale emphasis is being placed on salvaging oak stands infected with wilt. Reforestation efforts on oak stands may also increase depending on the extent of natural regeneration on these sites. Oak wilt sites that have little desirable advance regeneration are considered candidates for conversion to other species, particularly Jack Pine. Initial efforts at direct seeding jack pine have shown varied results and will be continued in the future.

Invasive species are beginning to show on Wood County. Heaviest infestations of Buckthorn have been found in the Seneca Block. Buckthorn is also prevalent in portions of the Port Edwards, Dexter, and Richfield blocks. This species will be monitored and steps may be taken to control its spread. Gypsy moth is established in Wood County and can be found in low numbers on the forest to date. Outbreaks are likely to occur at some time; Wood County will continue to work towards maintaining a healthy forest to minimize damage from this insect. Wood County has also completed several Goshawk and Red Shouldered Hawk surveys. RSH are using several areas of the forest. County and DNR forest managers continue to collect data, monitor, and learn how to manage the forest with consideration for these birds of special interest in Wisconsin.

2040.4 Recreational Use

The main recreational demand on the Wood County Forest continues to center around wildlife game species, firewood cutting, and berry picking. ATV use and demand for trails has grown since the last planning period. The committee has taken the position that broad-scale; off road

ATV use will not be allowed. However, ATV use on designated trails, located in areas reasonably able to support ATV traffic, is desirable and should be accommodated. Wood County has addressed this issue by directing three Wood County Departments (Parks & Forestry, Highway, Planning & Zoning) to begin developing and enhance trails and road routes throughout the county. Recently projects have been accomplished on Wood County Forest including signing, improving, maintaining, and gaining DNR funding for 5.1 miles of new trail. These new miles are located on forest roads that were previously established and well suited to ATV traffic. A project to improve parking and trailhead at the ATV Intensive Use Area was also completed this past year. Furthermore, the county has also secured DNR grant funding of \$407,000 for construction of 4 miles of new trail (including bridge) in the Hiles Block. Once this project is completed, forestry staff will continue to look for opportunities to add more miles of Statefunded ATV trails where ground conditions may be suitable. Demand for other recreational opportunities such as mountain/fat-tire biking have also grown over the past planning period and is expected to continue into the next planning period. Requests for additional recreational trails should be brought to the Committee and will be evaluated to determine their compatibility with other uses of the forest, and the capability of the sites to support their use.

2040.5 High Conservation Value Forest Areas

Wood County Forest has four areas identified and recognized as high conservation value forests or wetland ecological reference areas. These sites are designated State Natural Areas and include: Red Oak Bottoms, a forested site along the Hemlock Creek near Dexterville, WI; Owl Creek Fen Savanna, a large peatland area near Dexterville; Hiles Wetlands, a wet meadow complex in the western portion of the county forest; and Skunk Creek Woods, a mature central pine-oak forest also in the western portion of the county forest. These areas will be managed and monitored in cooperation with the DNR Bureau of Endangered Resources as budgets allow. Additional site-specific information provided by Endangered Resources staff is included in this chapter.

| SURVEY | |
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| | |

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SITE DESCRIPTION /DISCUSSION

(use additional pages as necessary

| Militien description - DESCRIBE the site in the space below. Try to convey a mental image of the site's | |
|--|------|
| features (including vegetation, algoriticant species, equatic features, notable landforms, natural | |
| disturbances, scenic qualities, natural hazards, etc.): | |
| Five units comprised of control pointer tomorack poerfer sedge | |
| meadow (portions domanated by blue, out) In combination, sense | cont |
| ative of people in the northern part of the ecological lands cop | or. |
| | - |
| Wet meadow areas contain abundant blue out man. | in. |
| grass, and confgrass, numerous forbs are mixed in | |
| with the areases | |
| Evidence of disturbance - DESCRIBE any unnatural on-site disturbances te.g., livestock grazing, | |
| structures, past legging, mining, plantetions/orchards, exotic flore, etc.). | |
| Prot mossing and water level after of one affected porto | |
| | eg: |
| of the pite. The most heavily destarted parts were | |
| exeluded | |
| | |
| | |
| Surrounding land use - DESCRISE physical structures and land use practices in the surrounding area | |
| (e.g., residential and commercial buildings; agricultural, recreational, residential, and commercial | |
| 02003): | |
| County Corest land managed for tember | |
| reveation and game. | |
| | |
| The state of the s | |
| the restauration of the second | |
| Therents to site/Management needs - DISCUSS on-site and off-site threats to site and management | |
| Implications; If applicable, discuss why sought species/communities may no longer exist here. | |
| | |
| Recoloning mosouring activities aprile be | |
| determent of to several tren sources | |
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Department of Natural Resources Scientific Arees Section Box 7921 Radison, Mis. 53707

Lyman Hong skunk meddan-From January -

PLANT COMMUNITY SPECIES LIST

SEDICE MISADOW, TALL SHRUB, CATTAIL MARSE

LEGEND: A - Abundant

U - Uncommon H - Rere

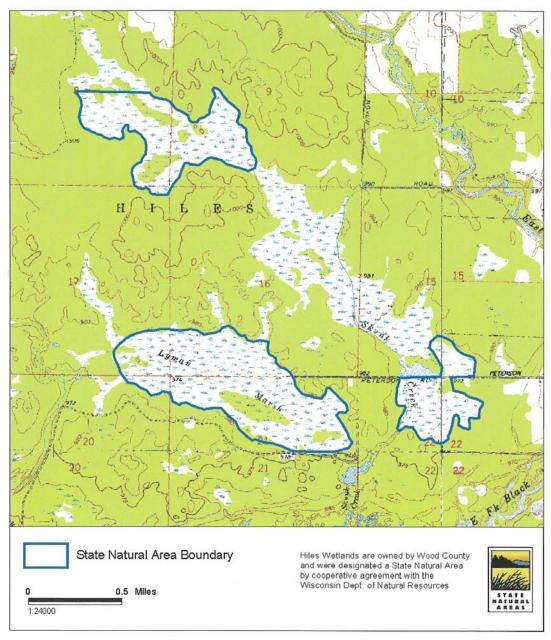
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(over)



Hiles Wetlands State Natural Area Wood County T22N-R2E, Sec. 8, 9, 15-17, 20-22 561 acres

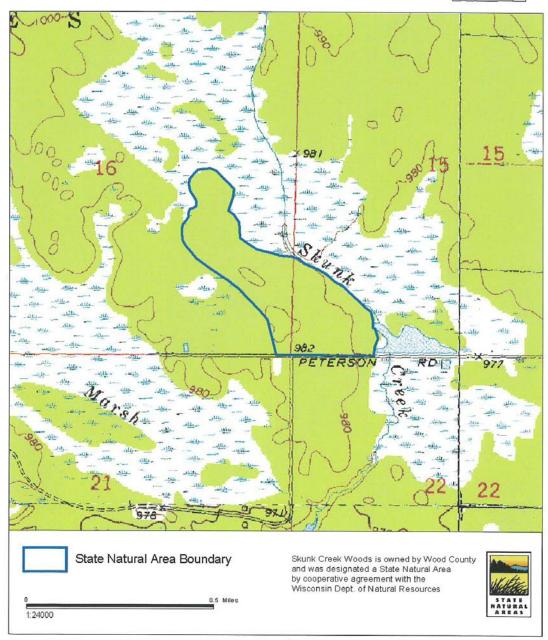






Skunk Creek Woods State Natural Area Wood County T22N-R2E, Sec. 15, 16 66 acres





RED OAK BOTTOMS

This is an analysis of a site named the Red Oak Bottoms located on Wood County Forest land along Hemlock Creek in southern Wood County. The site appears unusual in understory composition and it contains a high proportion of red oak (*Quercus rubra*) in the canopy. A comparison of plant species composition was completed to assess this perceived appearance.

The inventoried plant species composition was compared to a well developed floodplain forest found along the Yellow River in northern Juncau County. Another comparison was made between the composition of these sites and the composite floodplain ordination of John Curtis found in The Vegetation of Wisconsin.

In Curtis' work, he assigned modality labels to species indicating the plant community in which the species is found most frequently. An analysis of these plant modalities can give an indication of how representative a plant community is. It can also indicate how different stands of plant communities are from each other. The following table illustrates the composite modality of the species found on both sites. The total plant species for Red Oak bottoms was 72 species and Yellow River Bottoms had 76 species. They are nearly equal in inventoried plant species richness, although, the lists were not developed with comparison in mind, so standard methods were not used.

| Community | Red Oak Bottoms | Yellow River |
|----------------------|--------------------|---------------------------|
| Floodplain Forest | 22 species (30.5%) | 23 species (30%) |
| So. Dry-mesic Forest | 9 (12.5%) | 13 (18%) |
| So. Mesic Forest | 5 (7%) | 4 (5.3%) |
| No. Dry-mesic Forest | 6 (8.3%) | 2 (2.5%) |
| N. Wet-mesic Forest | 6 (8.3%) | 3 (4%) |
| Boreal Forest | 6 (8.3%) | 3 (4%) |
| Alder Thicket | 2 (3%) | 4 (5.3%) |
| So. Dry Forest | 3 (4%) | 4 (5,3%) |
| No. Sedge Meadow | 1 (1.3%) | 4 (5.3%) |
| Fen | 2 (3%) | 3 (4%) |
| Wet Prairie | 1 (1.3%) | 1. (1.3%) |
| Wet-mesic Prairie | 2 (2.7%) | 2 (2.5%) |
| Bracken Grassland | 1 (1.3%) | 1 (1.3%) |
| Emergent Aquatics | 1 (1.3%) | 2 (2.5%) |
| So. Sedge Meadow | 1 (1.3%) | I (1.3%) |
| No. Dry Forest | 0 | 2 (2.5%) |
| Oak Opening | 2 (2.7%) | 2 (2.5%) |
| Cedar Glade | | 1 (1.3%) |
| Lake Dune | 0 | 1 (1.3%) 1 (1.3%) 0 |
| Shaded Cliff | 1 (1.3%) | 0 |
| No. Mesic Forest | 1 (1.3%) | 0 |
| | | * |

Total 21 Communities 72 (99.4%) 76 (100.2%)

The comparison of the natural community modalities indicates both stands are strongly dominated by floodplain forest species. They are nearly equal in floodplain species representation and both should be considered floodplain forest plant communities. The species secondary with modalities in communities other than floodplain forest are much different. Red Oak Bottoms has a distinctive northern flavor to it with a good representation of northern dry-mesic, northern wet-mesic, and boreal forest species present. Yellow River Bottoms has a significant component of southern dry-mesic forest species and lower percentages with more even distribution of modality from other communities.

When comparing both sites against the composite list of the 39 characteristic floodplain forest plant species (Curtis 1959), Red Oak Bottoms had 59% in common and Yellow River Bottoms had 61.5% in common. This again indicates the strong match of the floodplain elements from both sites. There were 10 species from Curtis (25.6%) that were not found on either site. Both stands are dominated by floodplain forest species, but they show variability in composition.

To further investigate this variability, the differences between plant communities were compared. Focusing on the floodplain forest modals, a difference of 15 species was found. Seven species of floodplain modals were found at Red Oak Bottoms and not Yellow River. Conversely, eight floodplain forest modals were found at Yellow River and not Red Oak Bottoms. By comparing total species composition, a much greater difference was found. Thirty-three species were found at Red Oak Bottoms and not Yellow River, and forty-four species were at Yellow River and not Red Oak Bottoms.

These differences are significant, because they indicate the range of variability within an identified plant community. Yellow River was chosen for comparison because it is close to Red Oak Bottoms, but much more similar to floodplain forest to the south along the Wisconsin River. In a similar comparison with Mazomanie Bottoms Natural Area along the lower Wisconsin River, Yellow River had nearly equal total plant species composition, and very similar modality patterns. Mazomanie Bottoms had 30.5% floodplain modals. The total of southern forest modals is 22%. This is comparable to 28% at Yellow River and 22% at Red Oak Bottoms. The total of northern forest modals is 5%, and this compares to 10% at Yellow River and 26% at Red Oak Bottoms.

In conclusion, all natural communities have ranges of compositional variability. Red Oak Bottoms is definitely a floodplain forest. However, its composition is much different than other floodplain forests in the this part of the state. Red Oak Bottoms exhibits a much different compostional pattern than other floodplain forest. There is a strong secondary component of north species not found in other floodplain forest from southern Wisconsin. It is important to maintain stands demonstrating this variability to sustain ecological traits, provide controls assessing for the long-term sustainability of this part of the variability spectrum.

COMMUNITY SURVEY FORM

| 100 | Aomo | Date: 9M-187-12 | Source Code: FAMERS 62 |
|--|-------------------------|--|---|
| Quad Namo(s), Lake Develo | kr . | Cate: | Source Code: |
| Quad Code(s): HH BO BH | | Date: | Source Code: |
| State: County(les): W | Doe | Dates | Source Code: |
| Fleid Quad Margin #: | | Date: | Source Code: |
| Full extent of EO known and may | pped?yes | no | Bandley . |
| Precise location of community | rapped on bese map? | yes no | * |
| | | - | |
| | BIOLOGICA | L DESCRIPTION | |
| (C) CANA | | Married Control of the Control of th | |
| Element Name: Eloodala | m course | Element Co | 000 000 WPS 88033 september 25 |
| Included plant communities (a | ame each PC using 1,2 | or 3 dominant species): | |
| (1) Acor saccharinin | | 4 | (list additional Pors |
| *** | | | on lest page) |
| (3) | | | |
| For each PC (1st the cancoy do | minants (trae-T, shru | o-S, herb-H) and % cover | . |
| Name T 5 H Scover | | (2) (3 H Scover | (3) |
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| General description and comments (uprd picture of the NC): Express & Elos & plain of Manhalk Grak is storminated by larger | _ |
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PHYSICAL DESCRIPTION (continued)

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PLANT LIST

List species observed and mark appropriate column(s). For unfamiliar species indicate, for example, "Gorex sp-", or "grass sp-". It possible, maintain a separate species list for each plant community.

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PLANT LIST

List species observed and mark appropriate column(s). For unfamiliar species indicate, for example, "Carex sp.", or "grass sp.". If possible, maintain a separate species list for each plant community.

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| Foter macrophyllus | | | | - | | | | Marian garage |
| Miss and and and | | | | | - 4 | | i Control F | |
| Polyamum (2) Brighton alba (1) | | - | - | | | | - Contraction | |
| Sparting pactice to | | | | | | | | |
| Eparting perkinata | | | | 1 | | | | |

ANIMAL LIST

List species observed and mark appropriate column. For unfamiliar species indicate, for example, "warbler sp.", or "Notropis sp."

| | Evid. of | Evid. of | Number |
|--|--|---|---|
| Species Old | Presence 1 | Breeding | |
| Red shouldered blank | 1 3 | | F . |
| and hearth tooodparles Con | (Bound) | 1 | Î |
| Red-bellied woodpecker | | | |
| Red-eyed Vivio | | 1 | |
| Same and Mane | | 1 | |
| Corcati Plus Vinon | | | |
| Extented Woodpulus | <u> </u> | 1 | |
| Wood Buck | | | |
| Down Wood peller | | | |
| white breased withouth | |] | - 1 |
| Maine Wood peeters | | | |
| Gustern Persee | | 1 | |
| Shull woon a Unickales | | | |
| Crow | | | |
| white tride O Deer | - The state of the | | |
| Roby Khooded Kumming bind | 1 | 1 | |
| O cornad Bridge | | - | |
| dearing will of Marchines | | 1 | |
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| Man: Red Dak Bottoms | | Site Y | 1s1+ Chr | one legy | |
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| and Name(a): Like Dexter | Date: 914-18 | 1.22.Tlme: | to | Source Code | Edit Eb? Pop |
| Ques Code(s): 440904 10/10 locator: 5/ | Surveyor(| st: Grie G | poten | | |
| States County (les): | Date: | Times | to | Source Code | i |
| town(s): | Surveyort | s); | A CANADA TAN | | |
| Township/Range/Section: 32-46-17 51/07 | Date: | Times | to | Source Code |)= |
| Fleid Quad Hergin #: 20 NW | Surveyor | 5) [| | | |
| Source of leads | Date: | Times | to | Source Code | : |
| Statewide Natural Area Krow | LOVY Surveyor | s) (| | | |
| | | Times | to | Source Code | 6 |
| 3 | nd/or EO's: | | | - | |
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| Current use of sites | | . Confinue on | lest pe | ge for others. | |
| Current use of site: Fract ownership or managed area name (names, | | . Confinue on | lest pa | ge for others. | |
| Current use of site: Fract ownership or managed area name (names, | | . Confinue on | last pa | ge for others. | |
| Fract ownership or managed area name (names, Soundly Rep plat | eddresses, phone #> | | professionades | | |
| Current use of site: Fract ownership or managed area name (names, Provided Company Services) Provided Company Services Provid | addresses, phone #) INDEX d species/communities | as sought, fou | nd or re | ported from si | te. Under "Code |
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| Inder "Element Name", list all beritage-lists and Maps, Indicate occurrence numbers, if known. Lastiste, whether the EOR was trencribed or update | innex in | ss sought, fou identifying a | nd or re- | ported from si | te. Under "Code |

| | | Date : | વવ- | 27-22 | | | | | | | | | Revisit seeded? |
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| Element Name | Code on Base Map | | | Transcr/ UpdE? | Foundi | Transcr/ Updt7 | Found? | Transer/ Updet | Found? | Transcr/ Updt? | Found? | Transcr/ Upde7 | Shen? |
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SITE DESCRIPTION /DISCUSSION

tuse additional pages as necessary)

| written description - DESCRIBE the site in the space below. Try to convey a mental image of the site's |
|--|
| features (including vegetation, significant species, equatic features, notable landforms, natural. |
| disturbanças, scenic qualities, natural hazards, etc.): |
| Eliportelan of Hembock Creek, a low gradient stream tributaris to |
| the Yellow Parer, contains moture wet-more Forest of Silver |
| Maple- Even Ash- Swamp white Oak-Bussias Q- Red Oak, common |
| understopy spop - laportes conschusio / younachia crlista, Onoclea |
| sensibility accase great wheata, impations biflow, sedges somed with |
| in Floodplain: Red shoulding Hunk, Sandhillingue, Pilestel Woodpilon. |
| Evidence of disturbance - DESCRIBE any unnatural phi-site disturbances (e.g., Ilyantock grazing, |
| structures, past logging, mining, plantations/orchards, exotic flora, etc.). |
| Sum oreas east of man channel have been lagged. R.O.W |
| malglood 3 ason Chanlus mitised bus prolineral 700 |
| North of vio. W. Samile a more, Eloudylain is drive, brushin, |
| may have been grazied and or scheeting togged is distant past. |
| Surrounding land use - DESCRIBE physical structures and land use practices in the surrounding area |
| te.g., residential and commercial buildings; agricultural, recreational; residential, and commercial |
| uses); |
| agriculture. |
| |
| |
| Threats to site/Management needs - Discuss on-site and off-site threats to site and management |
| implications: If applicable, discuss why sought species/communities may no longer exist here. |
| I new stands morth of b-aw, west of main channel and |
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| 9 |
| status. Ourosam of book a can uncertain faction of meadown |
| Lugar in Orberton at Colverted court principles growing dende done |
| 2 prairible. |

Department of Natural Resources Scientific Areas Section Madison, Wisconsin 58707

PLANT COMMUNITY SPECIES LIST-FLOODPLAIN FOREST, LACUSTRINE FOREST (Including marsity sloughs and muddy banks)

| LEGEND - | rating of approximate relative for | equency | Area Nume | 10031 | 111 44 1 400 | A CTIMA | |
|-------------------------|--|--|--|---|------------------|---|--|
| . Λ | Abundant, the dominant vegetal | | Trea Manie 7 | | | | Δ |
| ç | Common, locally abundant or fr | equently encountered | T | | R | _ County LD ox | 197 |
| | Uncommon, infrequently encou Bare, very few plants seen | atered | Section | | | , . | |
| ** | Canal of Local Seattle Seattle Detector | | A SHILL SHIL | manufacture of the constant | | | |
| A na limely a st | | Marie Landina 400 | vá. | | 4 | and and | |
| | omboiden-0010 | Cleuta bulbifera—189 Cicuta maculata—190 | 10 | 7777 | Ludwigia palu | stris-4207yoarpa-4210 | evicaries . |
| Alisma plant | tago-aquatica-0176 | Cinna arundinacea-1 | 908 | | Livorine anne | ricanus 1273 | |
| Allium caria | dense0193 | Cinna latifolia-1909 | | 7.00 | Lycopus unifi | orns1294 | muchae 1 |
| Ambrosia tri | inda-0286 | Circaea quadrisulcata | -1918 | -1- | Lycopus virgi | orns1294 | |
| Amphicarna | bractests 0325 VC | Claytonia virginias | 1009 | | Lysimachia ci | liatu-4306 | 1 |
| Anomone or | inquefolis 0876 J | Cornus amomum—20 | 068 | - | | ummularia 4318 ruthiopteris 4393 | |
| Apios umeric | cana0436 | Cornus racemosa-20 | 77 versioner maintains | 2.0 | | canadense4432 | |
| Arabis laevig | gita0481 | Cornus rugosa-2080 | | | Mentho arven | sis-dad I | |
| Arabis shore | 11-0487 | Cornus stolonifera 2 Crataegus sp 2110 | 083 | 100 | Mectensia virg | inioa-4456 | Carteres |
| Arenaria late | riflora 0511 | Caylofaenia canadens | See 2176 | 150 | Mahlacharda | ns-4465 frondosa-4581 | ACKEDINE. |
| Arisuemu Lri | phyllum-0632 | Luscuta sp2182 C | spp 2185 | en. | Myosotis scor | pioides-4570 | |
| Armorrow dry | attribution (1535 | Cyperus sp. —2224— Cyperus spp. —2227— | ***************** | | Nelumbo lute | a-4636 | *************************************** |
| Artemisia se | mata 0619 dense 0625 | Cyperus spp. 2227 – Dioscorea villosa – 24 | | | Oppoleo sensi | oilis4711 | some f |
| Ascionist inc | arnata-0643 | Dryopteris intermedia | 1.5-0404 | - | Osmorhiza cla | ytoni—1765——— gistylis—4768——— | was the same |
| Aster lateriff | cous-0737 | Dryonteris spinulosa- | -2509 | *************************************** | Parthonneigen | s quinquefolia 4945 | te |
| Aster lugidul | lus0738 | Echinochios emeralli- | -2532 | | | doldes-4999 | |
| Aster on taric | onis-0745 | Rehinochica walteri- | 2536 | | Phalaris arund | inacea5020 | |
| Aster punice | us0760 | Echinocystis lobata- | 2589 | - | Phlox divaries | ta5038 | /0 |
| Arburium fo | x-0775 | Eleocharis acicularis— Eleocharis sp.—2560 | E ann 25.63 | monomore | Phyla lanceols | ite5059 | |
| Birlane commu | 0001.6 | Element wireinious - Of | 860 | A | Piles munile. | rginiana 5086 | 1.5 |
| Biclons conn | 44-0922 | Equisetum arvense—2 | 695 | | Polemonium i | eptans-5215 | A |
| Bidens coron | ata0925 | Eragrostis hypnoides- | 2748 | | Polygonatum | pubescens5248 | JU |
| Bidens frond | osa-0931 | Erigeron annuus-277 Euonymus atropurpu | 9 | - | Polygonum or | nnhibium5263 | made und |
| loltonia este | moides 0946 | Eupatorium maculatu | 78USZND4 | | Polygonum ec | dropiper 5293 | Management of the Parket of th |
| drachyelytra | in crectum-0991 | Eupatorium perfoliati | m-2872 | K. | Polygonum h | dropiperoides-5296 | |
| Broraus latig | lumis-1045 | Eupatorium rugosum- | -2878 | | Polygonum pe | nsylvanicum5805. | - |
| Calamagrosti | s canadensis-1096 | Festuca obtusa - 2958 | | - | Polingenning, mi | mort a freman 5 9 1 1 | |
| Canananala a | ris1147 | Fragaria virginiana—2 Galium aparine—3048 | 992 | COTTORNADA. | Polygonum en | gittatum 5317 | pinimal the |
| Cardamina by | nhaes 1100 | Galium asprellum30 | 46 | | | mlustris 551 8 | |
| Carex amphil | bola-1249 | Gallings obbserom 901 | 27 | | Ranpriculus al | ptentrionalis \5784 | |
| Chrex blands | the 1291 was recent to the continue | Gallum triffdum-307 | 6 | - | Ranunculus so | ptentrionalis -5734- | |
| Carex bromo | 1354 7C | Galium triflorum 30 | 79 | Vill | Rhus radicans | -5785 | |
| Carex crinica- | ella-1357 | Geum canadense 82; Glyceria canadensis | 2052 | | rcipes america | Hilliam Bill December | A SOUTH THE PARTY OF |
| Carer davisti- | TARBaraneensanaanaanaanaanaana | Glyceria striate 3268 | Cate and the cate and the cate and | SID-DOWNWARD | Rubus assirber | Hen 5869 Walte 5983 - 1 Iniata 6025 | 777 |
| Carex gracilli | ma1420 | Habenaria flava-3349 | | | Rudbeckia lac | iniata-6025 | 713 |
| Carex grayi | 1429 | Habenaria psycodes- | 3370 | | Rumex altissis | nus6046 | ATTA |
| Carex intume | soons 1456 JU | Helenium autumnale- Helianthus atrumosus- | 3394 | 377.5 | Rumey obtust | foline 605R | ****** |
| Carex Jumplin | n-1507 | Helianthus tuberosus- | 8457 | 3535 | Rumex orbicu | latus 6059 | - |
| Carex muskir | gumensis-1531 | Hemicarpha micrantha | 1-8472 | × | Sacittaria cum | afa - 6092 | THE STATE OF THE S |
| Carex normal | 13 | Hibiseus militaris - 34 | 96 | | Sagistaria oran | inen-GOSS | **** |
| Carex roses | 1591 | Hydrophyllum virginia | inum-3592 | inglinear | Sandtaria latif | olia | ***** |
| Corex sparger | nioides1618 | llex verticillata-3652 Impatiens capensis-36 | REE | <u> </u> | Sagittaria rigio | a-6091 -6118 | MARINETER MARINETER |
| Carex stiputa | dii-1631 | | | | Sally interior- | 6133 | |
| Christy Leibschni | des-1680- | iris virginica868b | | 10 | Salix an 609 | 4 | ***** |
| Carex tuckers | nanii-1669 | Laportea canadensis | 3853 | VA. | Salix app 60 | 97 | |
| Carex Lyphins | 1-1672 /C | Leersia lenticularis - 8: Leersia oryzoides - 39: | 28 | WWW. | Spendingers own | acionais 6 3 8.2 | |
| Carox an -12 | 28 | Leorsia virginica-3934 | 1 | fe | Sanicula grega | ria 6205 nus 6268 | |
| Carrie Sein 1 | 221 | Linderple dulife do la | Manhaman Communication and Communication Com | | Scirpus Cupier. | ilis6277 | |
| Cephalenthus | occidentalis-1774 | Lobolia cardinalia - 41 | 86 | 10 | Scirnus sp 6: | 247 | *************************************** |
| Additional sus | ecles: | | | | (continued on | other side) | |
| Roundle | a vilyours - C 3f | | | | | | |
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| my Link | The Contract of the Contract o | D . | | | | | |
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| angliness | on aguillance of the same and a company these of the same and a company these of the | L.SC | iver Grie | G. A | en de m | do 7/22/4~ | |

Department of Natural Resources Scientific Areas Section Madison, Wisconsin 53707

PLANT COMMUNITY SPECIES LIST-

| EGEND | - rating of approximate rela | tive frequency | Area Name | | | |
|-------------|--|--|--|-----------------------|---|--|
| Λ | Abundant, the dominant v | egetation | An Use 45 dility management | | | The Party of the P |
| C | Common, locally abundant | t or frequently encountered | <u>r</u> | R | County | |
| U R | Uncommon, infrequently e Rare, very few plants seen | encountered | Section | | | |
| r. | Mare, very lew plants seen | | Decuoti | | | |
| Scrophula | d) p.—6250 | Urtica procera-7102 | 7198 | Fugue gra Fraxinus | eldentalis-1750 | LIESTON |
| Scuteilaria | lateriflora-6840 | Verbena urticifolia | 297 | Fraxinus Fraxinus | pennsylvanica (red)—30 pennsylvanica (green)— | 3010 |
| Sicyos ang | vlatus-6430 | Viola conspersa-736 | () sacastricamentarian carres | Gleditsie | triacanthos-3244 | |
| dipluium I | oca foliazint 6.172 | Viola cucullata 7364 Viola papilionacea 7 | 200 | Gymnoel | adas dioica—3825——— inerea—8712——————————————————————————————————— | |
| Sium suny | e6508 | Viola papilionacea-7 | 380 | Mount | bra-4516 | Withouse |
| smaax eci | rrheta 6526ioneura 6526 | Viola pubescens 740 Viola sp. 7342 V.si | 7945 | Detrora | rginiana4789 | - manufacture |
| Smilax ias | pida-6538 | Vicie riparia 7441 | 200 | Platanus | occidentalis-5158 | - |
| Johann H | vleamera6547 | | mum-7480 | Populus o | deltoldes5356 | An anti-patricular |
| olidage o | History and 5562 | Zivia seres 7513 | And the state of t | Prunus se | roting-5551- | and the same |
| all dames | Transferantific Tomandinteranteranni | . (1) | | Quercus | alba5650 | |
| Sachye hi | spids-6756 | TREES | | Querous | bicolor5653 | J.A. |
| tachys pa | lustrig-6757 | • | | Quarcus ! | borealis-5656 | 13 |
| taphylea | trifolia6763 | Acer negundo0013- | Action and the second second | Quercus | macrocarpa5662 | 119 |
| ymplocar | pus foetidus-6841 | Acorrubrum 0022 | | Quereus | volutina 5674 | |
| eugrium. | eanadense6871 | Acer saecharinum—01 |)25 <u>3/A</u> | Salix nigh | ru-6189 | Tion . |
| halictrun | dasycarpum-6883 | Betula alleghanicasis- | 0886 | Tilla ame | ricana 6925 nericana 7087 | |
| Chelypteri | s palustris—6907 | Betula nigra-0895- | 705 | Ulmus an | hra-7098 | A. S. A. S. A. |
| rovaru vir | gillana 6943 | | 700 | Theres the | omasi7096 | |
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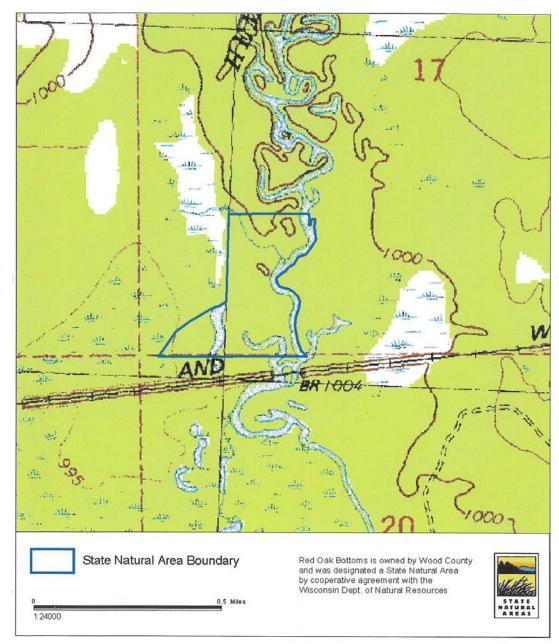
Observer_

Date _



Red Oak Bottoms State Natural Area Wood County T22N-R4E, Section 17 25 acres





| SITE Name: Owl Creek | - Ande | | | | | | | | | | | | |
|--|--|-----------------------------------|------------------------|-------------------------------------|--------------------------------------|--|---------------------------|------------------------------------|------------------|----------|------------|------------|---|
| | To Car | Say | 上版 被下 | - L | | | SI | to Visit | Chrone | logy | 200 | | |
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| Qued Code(s): 10 | /10 loca | tori | | | Survey | ortsis | Rand | · Ho | Kin | divin | | | |
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| Town(s): | ************ | | | | | ror(s): | | - | | | - | - | _ |
| Township/Range/Section: | | | * -U | - na | | | | 1 | | Cuiuma a | A STATE OF | | Mergeto. |
| Field Qued Hargin 5: | | | | | Current | or(s): | 1 time a | To a second | | 2001.00 | vode: | | |
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| Inder "Element Name", list i lase Map", indicate a simpli indicate occurrence numbers late, whether the EOR was to | acode n If kno | umber en. l | or le | frer to b | e whet | Itles so In idea | tifyin elemen | g olomen t was to | t loca und (Y | rions or | the best s | iso map. | |
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SITE DESCRIPTION /DISCUSSION

(use additional pages as necessary)

| written descri | ption - DESCRIBE the site in the space below. Try to convey a mental image of the site's |
|--|--|
| features | (including vegetation, significant species, aquatic features, notable landforms, natural |
| disturban | cos, scenic qualities, natural hazards, etc.): |
| alarec | spectlant et assivoriem atal 900 aires contains |
| cenbral | pour few alder thickets, upland " wlands" of sine |
| ovel oc | R. Ottimique Secture is a grass domin stell |
| wellma | calour with Beattered open grown aspen. |
| Project | bird use should harber several species |
| of are | at compenyation metals. |
| vidence of dis | sturbance - DESCRIBE any unnatural on-site disturbances (e.g., []vestock grazing, |
| | st, logging, mining, plantations/orchards, exotic flore, etc.). |
| Temporary Today or \$10000 Temporary | eles to permanent den hunting stando. Old |
| | |
| amous m | robile trail Two view old barely notice-ble ditches |
| | 0 |
| | The state of the s |
| ie.g., resident 1605): | nd use - DESCRIBE physical structures and land use practices in the <u>surrounding</u> area risi and commercial buildings; agricultural, recreational, residential, and commercial |
| Word (| "ounty - production forces |
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| 3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | e. S |
| | |
| lureats to site | Watespeent needs - DISCUSS on-site and off-site threats to site and management |
| milications: 1 | f applicable, discuss why mought species/communities may no longer exist here. |
| Introdu | ection of exotic assers misstlikely brought in |
| 40 | ies on under converse of ports us the breach |
| Was A | sale of the land for commercial agriculture |
| 1732 CA 18 | |
| Junpo | als would pren the site. |
| | |

Department of Natural Resources Scientific Areas Section Box 7921 Madison, Wis. 53707

Aspen Wet Mead ow *

PLANT COMMUNITY SPECIES LIST

SERDE HELDOW, TAGE SHRUB, CLITAGE HARSH

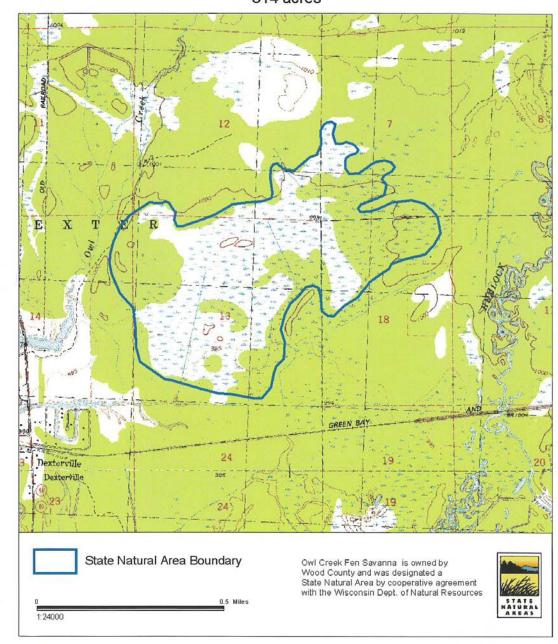
LEGEND: A - Abundant C - Occasion U - Unitromon R - Rare

| corus calamis-coli9 | | 1: | Dullottim armidinaceum-2525- | * | ļ | Osmorda ragalis 5783 | | |
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| memone conscionate | - | T | Epilobium coloratum2658-660 | - | 1 | Pilee fontana5100 | Minister of All | |
| numone quinquefolie-0376 | | | Vest and not at an ability and the second | ٠, س | 3 | Pes paiust-1s -5185 | - | |
| ngelica atropormirea-0391 | | | Epilobium glandulosum-2671 | - | 1 | Dallacantes a second by the State | A long | |
| lpios smericena-C4,10 | i | | The Topical Topicobild Trimesch (Sessie | - | 7 | Polygonum amphibium —5263 Polygonum ardfolium —5266 | - | |
| AND AND THE PROPERTY OF THE PR | | | Zquisetum arvense-2695- | | 1 | Sorkenny majorna 2500 | - | |
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| stort functioned and 1723 | | - 5 | Boulestum sylvatioum-2725 | - | 20 × | Polygonum hydropiperoidea 5296- | | |
| | | | Brigeron philadelphicus 2791 | | 11 | Polygonum puristatum 5311 | | |
| ster novee-anglise-0739 | - | - | | (dosmun | . 1 | -Polygonna pagittatum 5317 | distribution of | |
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Owl Creek Fen Savanna State Natural Area Wood County T22N-R3E, Sec. 12, 13, 14 T22N-R4E, Section 7, 18 814 acres





2040.6 Roads and Access

The previous long-range plan identified the need to develop an access management plan for the forest. Extreme abuse of Wood County Forest lands was occurring in the form of dumping, rutting, and other environmental degradation. Much of the abuse was occurring on/because roads intended for winter, frozen ground access were left open year-round. Roads that are rutted are difficult to travel, costly to repair, a detriment to selling timber, and to providing access for recreation for the public. Furthermore, cleanup of dumped debris is an expense to taxpayers, an eyesore, and possible hazard to forest users. Subsequently, efforts were made to "close" (to motorized vehicular traffic) a majority of these old logging roads through various means including earthen berms, stump piles, boulders, and gates.

While many roads were closed, others have remained open and are maintained to a much higher level. Refer to Chapter 700-Roads and Access, also Chapter 1000.8 for Permanent Primary and Secondary Road Maps.

Currently, the majority of road closures are complete and previously mentioned problems have been reduced greatly. Wood County Forest roads are inspected at least annually and are graded and repaired as needed and as workloads and budgets permit. It is expected that most roads currently open will remain open. Furthermore, it is likely some will see future modest improvements with the addition of gravel, installation of culverts, brush mowing, and creation of small parking areas.