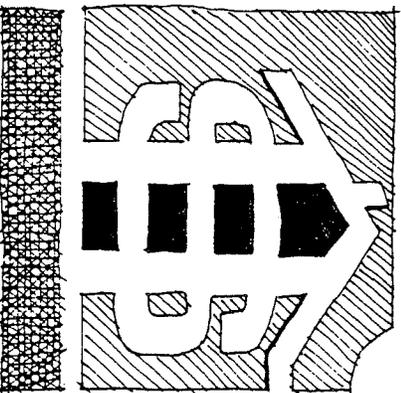
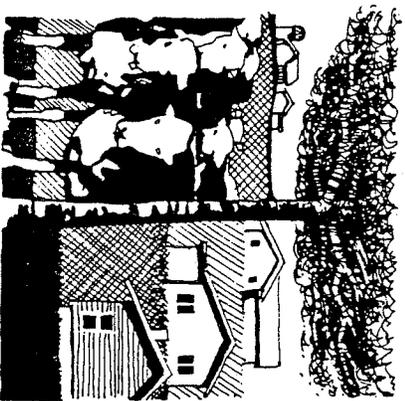
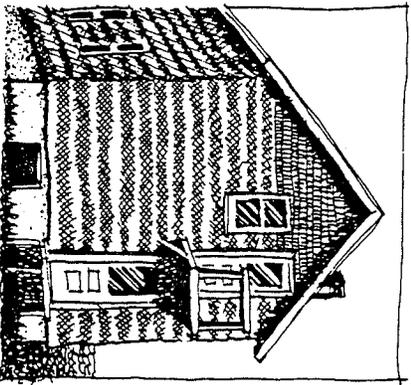
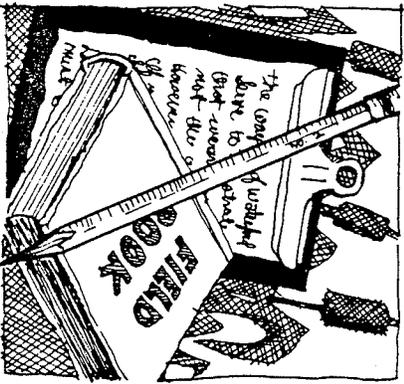
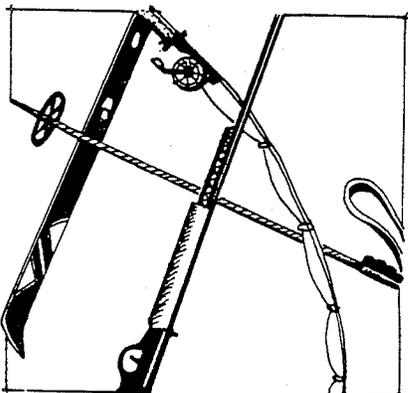


APPENDIX

Town of Dunn Open Space Preservation Handbook





APPENDIX

Town of Dunn Open Space Preservation Handbook

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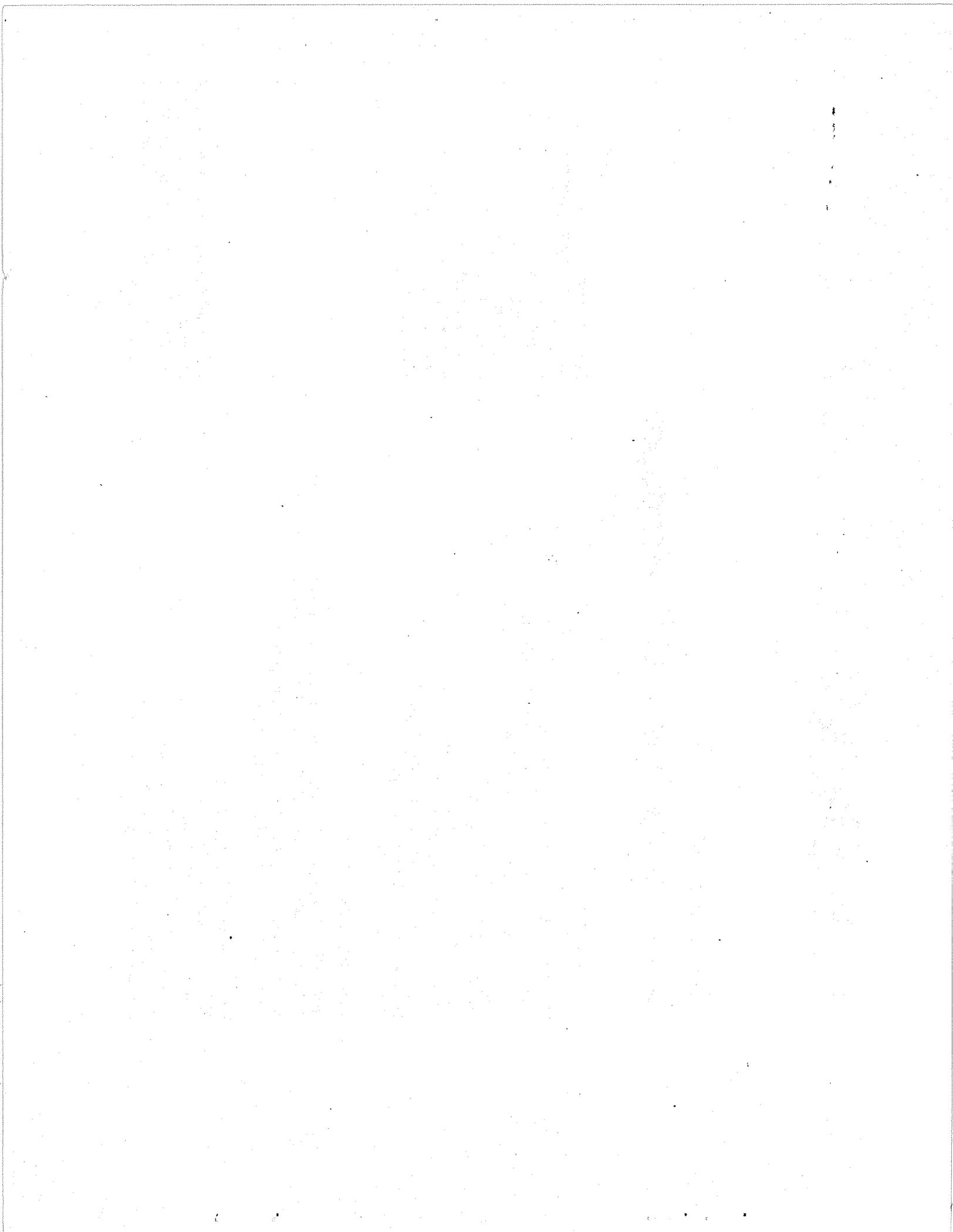
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June 1979



This Appendix Volume contains information collected during the development of The Town of Dunn Open Space Preservation Handbook. This information is reproduced here to serve as a reference for the use of the handbook, and is presented in three parts :

- A. Woodland Evaluation Field Sheets
- B. Wetlands of Dane County, Wisconsin
Maps and Analysis
- C. Sample Erosion and Sedimentation
Control Plans and Model Ordinance

A. WOODLAND EVALUATION FIELD SHEETS

In the summer and fall of 1978, 78 woodlots were located and surveyed in the town. For the purposes of this study, a woodlot was defined as a continuous tract of woods three or more acres in size.

This section contains the individual field sheet for each woodlot. In cases where permission to enter a woodlot was not granted, information was gathered from road surveys and from townspeople with knowledge of the area. By surveying the town's woodlots, important information was obtained, including types and quantities of trees, shrubs and plants, woodlot quality, slope, and the woodlot's relationship to other open space resources. This survey was conducted using a method developed under the direction of Professor Herman Felstehausen of the UM Department of Landscape Architecture.

After the town's woodlots were surveyed, each was assigned a quality rank of excellent, good, or fair. These ratings were assigned to give an overall indication of the quality of the woodlot itself and its importance as part of the town's open space system. Because of the many variables that went into each ranking decision, these judgements should not serve as a basis of specific planning decisions without further examination.

A. NORTHWEST

WOODLAND EVALUATION FIELD SHEET

DATE August 29, 1978

INV. J. Balogh

1. Woodlot # A1 2. Woodlot location: Fred Uphoff and Holtzman
3. Woodlot Size 44 Acres Road Meadowview
Section NE 1/4, S 1/4, SW 1/4, Section 6
4. Common Plant Species:
- over-Trees: White Oak, Shagbark Hickory, Bur Oak, Box Elder, Red Oak,
story Black Oak, Black Cherry

under-Shrubs: Honeysuckle, Dogwood, Gooseberry

story Goldenrod

Ground: Goldenrod

5. (4") Sapling Species: Cherry, Oaks, Box Elder
6. Canopy Cover 70 %
7. Density of shrub layer: sparse X to Medium X, Dense ,
Foreign Invasion Sparse to (Honeysuckle/Buckthorn)
Medium Even Age
8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: _____
- Signs of physical damage: _____
- | | |
|--|--|
| <input checked="" type="checkbox"/> storm damage (fe/snow) | <input checked="" type="checkbox"/> hollow trunks |
| <input checked="" type="checkbox"/> grazing damage } minimal | <input checked="" type="checkbox"/> stem cankers |
| <input checked="" type="checkbox"/> logging damage | <input checked="" type="checkbox"/> wood borers |
| <input checked="" type="checkbox"/> construction work | <input checked="" type="checkbox"/> wilted discolored leaves |
| | <input checked="" type="checkbox"/> eaten leaves |

10. Location in relation to other natural resources:

<input checked="" type="checkbox"/> Wetland west of woodlot	<u> </u> % flat land
<u> </u> stream (dry/running)	<u>100</u> % rolling/hilly land
<u> </u> lake/pond	
<u> </u> springs	
<u> </u> rock outcroppings	<u>0 & Davg.</u> slope otherwise <u>20%</u> along north
<input checked="" type="checkbox"/> hill with vista	<u>Northeast</u> slope orientation (aspect)
<u> </u> bluffs, escarpments	<u>Southeast</u>
<u> </u> ravines	<input checked="" type="checkbox"/> archaeological sites
<input checked="" type="checkbox"/> ridge tops	<u> </u> historical sites

11. Wildlife:

12. Community type-quality rank: Xeric; Dry Hardwood

Quality- Excellent due to vista, Indian Mound and wetland west of woodlot

COMMENTS: Grazing: 10-20 years ago, Archaeological site present as

Indian Mound on top of hill.

3

WOODLAND EVALUATION FIELD SHEET

DATE October 8, 1978INV. J. Balogh

1. Woodlot # A2 2. Woodlot location: _____
3. Woodlot Size 21 Acres Road Goodland Park Road
Section S 1/4, Section 6
4. Common Plant Species:
- over-Trees: Bur Oak, Black Oak, Black Cherry, Box Elder, Pin Oak
story Slippery Elm

under-Shrubs: Mulberry, Dogwood

story _____

Ground: _____

5. (4") Sapling Species: Cherry, Black Oak, Box Elder, Slippery Elm
6. Canopy Cover 40-60 %
7. Density of shrub layer: sparse , Medium , Dense X,
Foreign Invasion Dense (Honeysuckle/Buckthorn)
8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: _____
- Signs of physical damage: _____
- | | |
|--|--|
| <input checked="" type="checkbox"/> storm damage (fe/snow) | <input checked="" type="checkbox"/> hollow trunks |
| <input checked="" type="checkbox"/> grazing damage | <input checked="" type="checkbox"/> stem cankers |
| <input checked="" type="checkbox"/> logging damage | <input checked="" type="checkbox"/> wood borers |
| <input checked="" type="checkbox"/> construction work | <input checked="" type="checkbox"/> wilted discolored leaves |
| | <input checked="" type="checkbox"/> eaten leaves |

10. Location in relation to other natural resources:

<u> </u> wetland	<u>50</u> % flat land
<u> </u> stream (dry/running)	<u>50</u> % rolling/hilly land
<u> </u> lake/pond	
<u> </u> springs	
<u> </u> rock outcroppings	<u>A Q D avg.</u> slope <u>North area with +20%</u>
<input checked="" type="checkbox"/> hill with vista	<u>North & South</u> slope orientation (aspect)
<u> </u> bluffs, escarpments	<u>East & West</u>
<u> </u> ravines	<u> </u> archaeological sites
<u> </u> ridge tops	<u> </u> historical sites

11. Wildlife:

12. Community type-quality rank: Xeric; Dry Hardwood disturbed community

Quality-Poor

COMMENTS: Fairly open stand of trees, mainly oaks in the overstory-very young
and old trees present - could regenerate to excellent woodlot if
disturbing agent removed. Patches of exposed soil present,
cause unknown.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978

INV. J. Balogh

1. Wood Lot # A3 2. Woodlot Location:

3. Woodlot Size 18 Acres Road Waubea Avenue
Section NW 1/4, Section 5

4. Common Plant Species:

Tree: Bur Oak, Red Oak, Black Oak, Black Cherry, Black Walnut
shrub: Willow, Aspen

under-Shrubs: Honeysuckle

Ground:

5. (4") Sapling Species: Young Oak (in openings) Black Cherry, Black Walnut

6. Canopy Cover 10 % very thin

7. Density of shrub layer: sparse X, Medium , Dense .

Foreign Invasion dense in (Honeysuckle/Burcotton)
patches

8. Age of Stand: X Mixed Even Age
old and very young trees

9. Health of stand/disturbances: highly disturbed

B. WAUBESA WETLANDS

Signs of physical damage: Signs of insect/disease damage:

<u> </u> storm damage (fe/snow)	<u> </u> hollow trunks
<u> </u> grazing damage	<u> </u> stem cankers
<u> </u> logging damage	<u> </u> wood borers
<u> </u> construction work	<u> </u> wilted discolored leaves
	<u> </u> eaten leaves

10. Location in relation to other natural resources:

<u>X</u> wetland to north of woodlot	<u>100%</u> flat land
<u> </u> stream (dry/running)	<u> </u> % rolling/hilly land
<u>X</u> lake/pond Lake Waubea	<u> </u> avg. slope
<u> </u> springs	<u> </u> slope orientation (aspect)
<u> </u> rock outcroppings	<u> </u> archeological sites
<u> </u> hill with vista	<u> </u> historical sites
<u> </u> bluffs, escarpments	
<u> </u> ravines	
<u> </u> ridge tops	

11. Wildlife:

12. Community type-quality rank: Open Grown Oak-highly disturbed community

Quality-fair

COMMENTS: Scattered oaks, patches of very dense honeysuckle shrub layer,

wetland lies to north of woodlot

WOODLAND EVALUATION FIELD SHEET

DATE August 29, 1978

INV. J. Balogh

1. Wood Lot # B1 2. Woodlot Location:3. Woodlot Size 24 Acres Road Talor Road
Section NW 1/4, Section 7

4. Common Plant Species:

Trees: Shagbark Hickory, White Oak, Black Oak, Black Cherry
Red Cedar (few)under-Shrubs: Dogwood, HoneyuckleGround: Raspberry, Virginia Creeper,5. (4") Sapling Species: Hickory, Black Cherry, Red Cedar6. Canopy Cover 70 %7. Density of shrub layer: sparse , Medium X, Dense ,
Foreign Invasion dense (Honeyuckle/Beckthorn)8. Age of Stand: Mixed X Even Age very young and very old trees present
see comments9. Health of stand/disturbances: PairSigns of physical damage: Signs of insect/disease damage: storm damage (te/snow) X hollow trunks
 grazing damage stem cankers
X logging damage wood borers
 construction work X wilted discolored leaves
 X eaten leaves

10. Location in relation to other natural resources:

X wetland to south of woodlot 100 % flat land flat and high
X stream (dry/running) % rolling/hilly land
X lake/pond
X springs avg. slope
X rock outcroppings slope orientation(aspect)
X hill with vista archaeological sites
X bluffs, escarpments
X ravines historical sites
 ridge tops

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood disturbed community
Quality-PairCOMMENTS: Very young stand since it was logged off recently.

WOODLAND EVALUATION FIELD SHEET

DATE August 29, 1978

INV. J. Balogh

1. Wood Lot # B2 2. Woodlot Location:3. Woodlot Size 6.5 Acres Road Talor Road
Section NW 1/4, Section 7

4. Common Plant Species:

Trees: Black Locust, Black Oak, Basswood, White Pine, Balsam Fir,
Black Walnutunder-Shrubs: Dogwood, Gooseberry, HoneyuckleGround: Raspberry, Virginia Creeper, Janus Quarter5. (4") Sapling Species: Black Walnut, Basswood6. Canopy Cover 70 %7. Density of shrub layer: sparse , Medium X, Dense ,
Foreign Invasion Minimal (Honeyuckle/Beckthorn)8. Age of Stand: X Mixed Even Age9. Health of stand/disturbances: Good HealthSigns of physical damage: Signs of insect/disease damage: storm damage (te/snow) hollow trunks
 grazing damage stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

 wetland 100 % flat land
 stream (dry/running) % rolling/hilly land
 lake/pond
 springs avg. slope
 rock outcroppings slope orientation(aspect)
 hill with vista archaeological sites
 bluffs, escarpments
 ravines historical sites
 ridge tops

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood
Quality Rank-GoodCOMMENTS: The highland overstory is Oak. The lowland overstory is Black
Walnut and Locust. Few dead and dying are present. This young stand
of trees has good health.

WOODLAND EVALUATION FIELD SHEET

DATE August 29, 1978

INV. J. Balogh

1. Wood lot # B3 2. Woodlot location:

3. Woodlot size 18.5 Acres Road Talor Road
Section NW 1/4, Section 7

4. Common Plant Species:

over-Trees: White Oak, Bur Oak, Black Cherry, Black Walnut, Elm
story Box Elder, Plantation-White Pine

Shrubs:

Ground: Burdock

5. (4") Sapling Species: Elm, Oak, Walnut, Cherry, Box Elder

6. Canopy Cover 60 %

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion minimal (Honeysuckle/Buckthorn)

8. Age of Stand: Mixed X Even Age Very old beautiful oak, walnut
see comments

9. Health of stand/disturbances:

Signs of physical damage:	Signs of insect/disease damage:
<u>X</u> storm damage (te/snow)	<u>X</u> hollow trunks
<u>X</u> grazing damage 5 horse-trails	<u> </u> stem cankers
<u> </u> logging damage through woods	<u> </u> wood borers
<u> </u> construction work	<u> </u> wilted discolored leaves
	<u> </u> eaten leaves

10. Location in relation to other natural resources:

X Wetland at northern edge of woods % flat land
X Stream (dry/running) Swan Creek 100 % rolling/hilly land
 lake/pond
 springs B avg. slope
 Rock outcroppings
X hill with vista slope orientation (aspect)
 bluffs, escarpments archeological sites
 ravines historical sites
 ridge tops

11. Wildlife:

12. Community type-quality rank: Series: Dry Hardwood

Quality-Good

COMMENTS: Very old beautiful trees- Oak and Walnut - regeneration seems slow,
but young trees are present

WOODLAND EVALUATION FIELD SHEET

DATE August 30, 1978

INV. J. Balogh

1. Wood lot # B4 2. Woodlot location:

3. Woodlot size 3 Acres Road Talor Road
Section NW 1/4, Section 7

4. Common Plant Species:

over-Trees: White Oak, Bur Oak
story Black Cherry, Pin Cherry, Box Elder

under-Shrubs: Dogwood, Honeysuckle

Ground:

5. (4") Sapling Species: Cherry, Box Elder

6. Canopy Cover 70 %

7. Density of shrub layer: sparse , Medium X, Dense ,
Foreign Invasion medium (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: Generally fair - dead and dying trees present.

Signs of physical damage:	Signs of insect/disease damage:
<u>X</u> storm damage (te/snow)	<u> </u> hollow trunks
<u> </u> grazing damage	<u> </u> stem cankers
<u> </u> logging damage	<u> </u> wood borers
<u> </u> construction work	<u> </u> wilted discolored leaves
	<u> </u> eaten leaves

10. Location in relation to other natural resources:

X Wetland Waubesa wetlands to the % flat land
X Stream (dry/running) south 100 % rolling/hilly land
 lake/pond
 springs B avg. slope
 Rock outcroppings
X hill with vista South slope orientation (aspect)
 bluffs, escarpments archeological sites
 ravines historical sites
 ridge tops

11. Wildlife:

12. Community type-quality rank: Series: Dry Hardwood

Quality-Good

COMMENTS: Very few old trees present, dead trees present, generally a
middle age Box Elder and Oak stand.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978 INV. J. Balogh

1. Wood Lot # B5 2. Woodlot Location: _____

3. Woodlot Size 17 Acres Road Talor Road
Section SP1, Section 7

4. Common Plant Species: _____

Trees: Yellowbud Hickory, Black Walnut, White Oak, Black Oak
Box Elder, Black Cherry, In Lowlands- Willow

under- Shrubs: Gooseberry, Dogwood, Honeysuckle Saplings Grade to shrubs
story as get closer to marsh

Ground: Blackberry, Bloodroot, Solomon Seal

5. (4") Sapling Species: Oak, Hickory, Black Walnut, Cherry, Black Locust
Elm, few Red Cedar

6. Canopy Cover 50-70%

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion minimal to heavy growth (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: General Health-Poor

Signs of physical damage: _____ Signs of insect/disease damage: _____

- storm damage (te/snow) _____ hollow trunks _____
- grazing damage _____ stem cankers _____
- logging damage _____ wood borers _____
- construction work _____ wilted discolored leaves _____
- _____ eaten leaves _____

10. Location in relation to other natural resources: _____

- Wetland next to Lake Waubesa _____ % flat land _____
- Stream (dry/running) Swan Creek _____
- Lake/pond Lake Waubesa _____ 40 % rolling/hilly land _____
- _____ springs _____
- _____ rock outcroppings _____ A.G. avg. slope 12-20% and +20% slope _____
- _____ hill with vista _____ East slope orientation (aspect) _____
- _____ bluffs, escarpments _____ archaeological sites _____
- _____ ravines _____
- ridge tops _____ historical sites _____

11. Wildlife: Grouse, Sandhill Crane

12. Community type-quality rank: Xeric: Dry Hardwood Disturbed Community
Quality-Excellent

COMMENTS: Excellent rating due to woodlot being adjacent to Waubesa Wetlands and having a rather steep slope towards the wetlands (east). However, shrub layer and ground vegetation is very sparse with some exposed soil in areas. This should be corrected to minimize erosion from the hillside into the wetland.

WOODLAND EVALUATION FIELD SHEET

DATE August 29, 1978 INV. Personal Communication with Cal Dewitt

1. Wood Lot # B7 2. Woodlot Location: _____

3. Woodlot Size 7 Acres Road Talor Road
Section NW1 Section 18

4. Common Plant Species: _____

Trees: Black Oak - Open Oak Grove

under- Shrubs: Not a natural underractory community
story

Ground: _____

5. (4") Sapling Species: _____

6. Canopy Cover % Open Oak Stand

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion (Honeysuckle/Buckthorn)

8. Age of Stand: Mixed X Even Age

9. Health of stand/disturbances: _____ Signs of insect/disease damage: _____

- storm damage (te/snow) _____ hollow trunks _____
- grazing damage _____ stem cankers _____
- logging damage _____ wood borers _____
- construction work _____ wilted discolored leaves _____
- _____ eaten leaves _____

10. Location in relation to other natural resources: _____

- Wetland West of Woodlot _____ % flat land _____
- Stream (dry/running) _____
- Lake/pond West of Woodlot _____ 50 % rolling/hilly land _____
- _____ springs _____
- _____ rock outcroppings _____ A.G.D. avg. slope 25% with +20% slope _____
- _____ hill with vista _____ 25% with 12-20% slope _____
- _____ bluffs, escarpments _____ slope orientation (aspect) _____
- _____ ravines _____ archaeological sites _____
- _____ ridge tops _____ historical sites _____

11. Wildlife: American Egrets

12. Community type-quality rank: Open-Grown Oak Stand
Quality-Good

COMMENTS: Due to the woodlots proximity to the wetland lying to the west, quality rank is upgraded to Good.

WOODLAND EVALUATION FIELD SHEET

DATE September 6, 1978INV. J. Balogh1. Wood Lot # B8 2. Woodlot Location: Oregon Heights3. Woodlot Size 61 Acres Includes Road White Oak Road and Drive
houses and lots Section 19

4. Common Plant Species:

Trees: White Oak, Black Oak, Red Oak, Box Elder, Black locust,
Shagbark Hickory, Wild Plum, Lowlands with Willows
West edge-Pine Plantationunder-Shrubs: Box Elder, Honeysuckle, patches of Aspen regeneration
story

Ground:

5. (4") Sapling Species: Aspen6. Canopy Cover % Highly disturbed in areas, near natural along Lator Rd.7. Density of shrub layer: sparse , Medium X, Dense ,Foreign Invasion (Honeysuckle/Buckthorn)8. Age of Stand: X Mixed Even Age9. Health of stand/disturbances: Healthy in areas of no construction/homea

Signs of physical damage:

storm damage (te/snow) Signs of insect/disease damage:
 grazing damage hollow trunks
 logging damage stem cankers
X construction work-homes being built wilted discolored leaves
 Into woods eaten leaves

10. Location in relation to other natural resources:

X Wetland 100 % flat land stream (dry/running) Bad Fish Cr. % rolling/hilly landX lake/pond springs Garos Springs flat to avg. sloperock outcroppings North slope orientation(aspect)
 hill with vista archaeological sites
 bluffs, escarpments
 ravines
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Terce: Dry Hardwood and Pine PlantationUndisturbed areas-Good Disturbed areas-PoorCOMMENTS: At one time with excellent quality rating, construction dis-
turbances reduce area to a rank of fair. Planned Conservation:
Allice Waite built in area with purpose of protecting Garos Springs
at base of slope which has a flow of 3000 gpm.

WOODLAND EVALUATION FIELD SHEET

DATE September 9, 1978INV. J. Balogh1. Wood Lot # B9 2. Woodlot Location: Kirch Farm3. Woodlot Size 49.5 Acres Road Mahoney Road
Section 17 & 19

4. Common Plant Species:

Trees: Bur Oak, Pin Oak, White Oak, Black Walnut, Shagbark Hickory,
Black locust, Aspen (at edges)
Black Cherry, Hackberry, Slippery Elm, Hackberry.under-Shrubs: HoneysuckleGround: Grades, Wild Strawberry, Raspberry5. (4") Sapling Species: Hickory, Cherry, Hackberry, Slippery Elm6. Canopy Cover 60-40% open grown Oaks present-see comments7. Density of shrub layer: sparse , Medium X, Dense ,Foreign Invasion minimal to (Honeysuckle/Buckthorn)
heavy in areas8. Age of Stand: X Mixed Even Age9. Health of stand/disturbances: General Health-Very Good

Signs of physical damage:

X storm damage (te/snow) minimal Signs of insect/disease damage:
X grazing damage years ago hollow trunks
 logging damage stem cankers
 construction work wood borer
 wilted discolored leaves
X eaten leaves on Cherry

10. Location in relation to other natural resources:

 Wetland 30 % flat land stream (dry/running) 70 % rolling/hilly landX lake/pond springs A.C.D. avg. slope Southwest area with
 420% slope, 12-20% arerock outcroppings Gentle Southwest slope orientation(aspect)
 hill with vista archaeological sites
 bluffs, escarpments
 ravines
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Terce: Dry HardwoodQuality: Excellent8 COMMENTS: Open cut Oak stand crucial for spring maintenance.
Excellent rating due to large continuous size of woodlot intact, its near
natural condition, and areas with steep topography.

WOODLAND EVALUATION FIELD SHEET

DATE October 8, 1978

INV. J. Balogh

1. Wood Lot # B10 2. Woodlot Location: Stage Farm

3. Woodlot Size 55 Acres Road Evans Road

4. Common Plant Species: Section 17

Trees: Black Oak, Black Walnut, Slippery Elm, American Elm, Box Elder, Cherry, Shagbark Hickory, Black Ash, Aspen stands in lowland

under-Shrubs: Honeysuckle, Box Elder

Ground: Dutchman's Breeches, Solomon Seal, Jack-in-Pulpit

5. (4") Sapling Species: Box Elder, Cherry

6. Canopy Cover 50 %

7. Density of shrub layer: sparse , Medium , Dense X.

Foreign Invasion Dense (Honeysuckle/Buckhorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage: Signs of insect/disease damage:

X storm damage (te/snow) hollow trunks
X grazing damage animals stem cankers
 logging damage in parts wood borers
 construction work wilted discolored leaves
X junkyard eaten leaves

10. Location in relation to other natural resources:

X wetland Waubea Wetlands lying north 50 % flat land
 stream (dry/running) drainage
X lake/pond Lake Waubea 50 % rolling/hilly land
 springs A,B,C,D avg. slope - 12-20% and +20%
 rock outcroppings north & south slope orientation (aspect)
 hill with vista present
 bluffs, escarpments archaeological sites
 ravines archaeological sites
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Yeric: Dry Hardwood

Quality- Excellent

COMMENTS: Species diversity present with high dry areas grading to lowland marsh communities. Quality of the woodlot itself is fair to good. (Junk yard is present along southern part.) However, its location next to lower Waubea Wetlands upraises the quality rank to excellent. Woodlot is necessary to maintain wetland significance when considering erosion prevention as seen by ravines drained in the woodlot.

WOODLAND EVALUATION FIELD SHEET

DATE October 8, 1978

INV. J. Balogh

1. Wood Lot # B11 2. Woodlot Location:

3. Woodlot Size 6 Acres Road Mahoney Truman Rd.

4. Common Plant Species: Section 16

Trees: Shagbark Hickory, Black Cherry, Box Elder, Black Walnut, Green Ash, Slippery Elm, a few old Pin Oak, Yellowbud Hickory

under-Shrubs: no shrub layer, very few Gooseberry

Ground: Solomon Seal, Sweet Cicely, Wild Grapes

5. (4") Sapling Species: Many young Hickory, Box Elder, Green Ash, Black Cherry

6. Canopy Cover 80 %

7. Density of shrub layer: sparse X, Medium , Dense .

Foreign Invasion none (Honeysuckle/Buckhorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage: Signs of insect/disease damage:

X storm damage (te/snow) hollow trunks
 grazing damage stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

 wetland 60 % flat land
 stream (dry/running)
 lake/pond 40 % rolling/hilly land
 springs A avg. slope
 rock outcroppings N slope orientation (aspect)
 hill with vista archaeological sites
 bluffs, escarpments archaeological sites
 ravines archaeological sites
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Yeric: Dry Hardwood

Quality- Fair

COMMENTS: Disturbed community with potential for regrowth. Many young saplings regenerating. Very few old trees present

WOODLAND EVALUATION FIELD SHEET

DATE October 8, 1978

INV. J. Balogh

1. Wood lot # B12 2. Woodlot location: Herb Seiferth

3. Woodlot Size 7 Acres Road Highway 51

Section 10 NW 4

4. Common Plant Species:

over- Trees: Bur Oak, White Oak, Black Oak, Black Cherry, Black Ash,
story Hackberry, Red Cedar

under- Shrubs: Mulberry, Honeyuckle

story Ground: Woodbine, Raspberry, Wild Grape

5. (4") Sapling Species: Oak, Cherry

6. Canopy Cover 70 %

7. Density of shrub layer: sparse , Medium X, Dense ,

Foreign Invasion Medium (Honeysuckle/Buckhorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage: Signs of insect/disease damage:

storm damage (ice/snow) hollow trunks
 grazing damage Heavy stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

Wetland 50 % flat land
 stream (dry/running) near Yabara 50 % rolling/hilly land
 lake/pond River
 springs avg. slope
 rock outcroppings slope orientation(aspect)
 hill with vista archeological sites
 bluffs, escarpments historical sites
 ravines
 ridge tops

11. Wildlife:

12. Community type-quality rank: Xeric Dry Hardwood

Quality rank-Fair

COMMENTS:

WOODLAND EVALUATION FIELD SHEET

DATE _____ INV. _____

1. Wood Lot # C-1 2. Woodlot Location:

3. Woodlot Size 9 Acres

4. Common Plant Species:

Trees: _____
Pine Plantation

Shrubs: _____

Ground: _____

5. (4") Sapling Species: _____

6. Canopy Cover %

7. Density of shrub layer: sparse , Medium , Dense ,
Foreign Invasion _____ (Honeysuckle/Buckthorn)

8. Age of Stand: Mixed Even Age

9. Health of stand/disturbances: _____

Signs of physical damage:	Signs of insect/disease damage:
storm damage (ice/snow) _____	hollow trunks _____
grazing damage _____	stem cankers _____
logging damage _____	wood borers _____
construction work _____	wilted discolored leaves _____
	eaten leaves _____

10. Location in relation to other natural resources:

Wetland _____	% flat land _____
stream (dry/running) _____	% rolling/hilly land _____
lake/pond _____	avg. slope _____
springs _____	rock outcroppings _____
	hill with vista _____
	bluffs, escarpments _____
	ravines _____
	ridge tops _____
	archeological sites _____
	historical sites _____

11. Wildlife: _____

12. Community type-quality rank: _____ Pine Plantation

Quality Rank - Fair

COMMENTS: _____

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WOODLAND EVALUATION FIELD SHEET

DATE September 18, 1978 INV. J. Balogh

1. Wood Lot # G2 2. Woodlot Location: P & M Barry

3. Woodlot Size 16 Acres

4. Common Plant Species:

Trees: White Oak, Black Cherry, Sharbark Hickory, Apple,
Bur Oak

under-shrubs: Gooseberry, Dogwood, Honeysuckle
stony

Ground: Wild Grapes, Blackberry, Raspberry, Stinging Nettles

5. (4") Sapling Species: Cherry, Sharbark Hickory, Bur Oak

6. Canopy Cover 30-60 %

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion dense _____ (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: _____

Signs of physical damage:	Signs of insect/disease damage:
storm damage (ice/snow) _____	hollow trunks _____
<input checked="" type="checkbox"/> grazing damage -heavy _____	stem cankers _____
logging damage _____	wood borers _____
construction work _____	wilted discolored leaves _____
	eaten leaves _____

10. Location in relation to other natural resources:

Wetland _____	<u>50</u> % flat land _____
stream (dry/running) _____	<u>50</u> % rolling/hilly land _____
lake/pond _____	<u>+20%</u> - in north hal _____
springs _____	North _____
	South _____
	rock outcroppings _____
	hill with vista _____
	bluffs, escarpments _____
	ravines _____
	ridge tops _____
	archeological sites _____
	historical sites _____

11. Wildlife: _____

12. Community type-quality rank: Xeric Dry Hardwood

Quality Rank - Fair

COMMENTS: Thin sparse ground layer vegetation since grazing damage is
heavy.

WOODLAND EVALUATION FIELD SHEET

DATE September 18, 1978 INV. J. Balogh

1. Wood Lot # 03 2. Woodlot location:

3. Woodlot Size 31 Acres Road Schneider Road

Section NE1, Section 30

4. Common Plant Species:

over-Trees: Bar Oak, White Oak, Black Oak, Black Cherry, Black Walnut
Shagbark Hickory, Slippery Elm, small plantation along
west edge with Balsam Fir and Red Pine

under-Shrubs: Dogwood, Gooseberry,

Ground: Wild Grapes, Blackberry

5. (4") Sapling Species: Hickory, Oak, Cherry

6. Canopy Cover 20-60 %

7. Density of shrub layer: sparse , Medium , Dense X,

Foreign Invasion (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage:	Signs of insect/disease damage:
<u> </u> storm damage (ie/snow)	<u> </u> hollow trunks
<u> </u> grazing damage	<u> </u> stem cankers
<u> </u> logging damage	<u> </u> wood borers
<u> </u> construction work	<u> </u> wilted discolored leaves
	<u> </u> eaten leaves

10. Location in relation to other natural resources:

<u>X</u> wetland	<u> </u> % flat land
<u> </u> stream (dry/running)	
<u>X</u> lake/pond	<u>50</u> % rolling/hilly land
<u> </u> springs	
<u> </u> rock outcroppings	<u>B.G.D</u> avg. slope <u>+20%</u> and <u>12-20%</u>
<u>X</u> hill with vista	<u>south</u> slopes in half the wood
<u> </u> bluffs, escarpments	<u>west</u> slope orientation(aspect)
<u>X</u> ravines	<u> </u> archaeological sites
<u>X</u> ridge tops	<u> </u> historical sites

11. Wildlife: Red Tail Hawk

12. Community type-quality rank: Xeric: Dry Hardwood

Quality Rank-Excellent

COMMENTS: Oak ridge present. More Shagbark Hickory present on north end.
Some areas with very sparse vegetation. Quality of wood is good, however
due to its location adjacent to Grass Lake, the rank is upgraded to
excellent.

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WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978 INV. J. Balogh

1. Wood Lot # GA 2. Woodlot location:

3. Woodlot Size 6 Acres Road Jim Schneider

Section SE1 Section 30

4. Common Plant Species:

over-Trees: Hackberry, Pin Oak, Red Oak, White Oak, Slippery Elm,
Black Cherry, Box Elder

under-Shrubs: Dogwood, Honeysuckle, Blackberry, Honeysuckle

Ground: Wild Grapes, Solomon Seal, Blackberry

5. (4") Sapling Species: Black Cherry, Oak, Box Elder

6. Canopy Cover 60 %

7. Density of shrub layer: sparse , Medium X, Dense ,

Foreign Invasion spatzee (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: Good Health

Signs of physical damage:	Signs of insect/disease damage:
<u>X</u> storm damage (ie/snow)	<u>X</u> dead limbs
<u> </u> grazing damage	<u> </u> hollow trunks
<u> </u> logging damage	<u> </u> stem cankers
<u> </u> construction work	<u> </u> wood borers
	<u> </u> wilted discolored leaves
	<u> </u> eaten leaves

10. Location in relation to other natural resources:

<u> </u> wetland	<u> </u> % flat land
<u> </u> stream (dry/running)	
<u> </u> lake/pond	<u>100</u> % rolling/hilly land
<u> </u> springs	
<u> </u> rock outcroppings	<u>A</u> avg. slope
<u> </u> hill with vista	<u>Northeast</u> slope orientation(aspect)
<u> </u> bluffs, escarpments	<u> </u> archaeological sites
<u> </u> ravines	<u> </u> historical sites
<u> </u> ridge tops	

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood

Quality Rank-Good

COMMENTS: Woodlot in general good health. A few dead black oak are present.
Overstory consists of Oak and Cherry. Understory consists of cherry.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978 INV. J. Balogh

1. Wood Lot # 05 2. Woodlot Location: Dick Sorenson
Road Sandhill Road

3. Woodlot Size 31 Acres Section SW $\frac{1}{4}$, Section 30

4. Common Plant Species: Pin Oak, White Oak, Burr Oak, Black Oak, Shagbark Hickory

over- Trees: Slippery Elm, Box Elder, Black Walnut

under- Shrubs: Honeysuckle
Wild Rose, Dogwood, Gooseberry, Blackberry, Wild Grape

Ground: Solomon Seal, Flowering Spurge

5. (4") Sapling Species: Cherry, Slippery Elm, Box Elder

6. Canopy Cover 30-40 %

7. Density of shrub layer: sparse , Medium X, Dense ,

Foreign Invasion medium (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage: Signs of insect/disease damage:

storm damage (ice/snow) dead trees hollow trunks
 grazing damage present stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

wetland % flat land
 stream (dry/running)
 lake/pond 50 % rolling/hilly land
 springs
 rock outcroppings A,B,C avg. slope
 hill with vista East West slope orientation (aspect)
 bluffs, escarpments archaeological sites
 ravines
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood - disturbed

Quality Rank-Good

COMMENTS: Rather sparse growth, only 30-40% canopy cover. Overstory
consists of oak and cherry. Ground plant species indicate open
canopy with shade intolerant plants present.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978 INV. J. Balogh

1. Wood Lot # 06 2. Woodlot Location: Carl Weaver
Road Rutland-Dunn Townline R

3. Woodlot Size 25 Acres Section NE $\frac{1}{4}$, Section 31

4. Common Plant Species: Shagbark Hickory, Black Walnut, Box Elder, Burr Oak,

over- Trees: Black Cherry

under- Shrubs: Gooseberry- very few

Ground: Wild Rose, Sweet Cicely

5. (4") Sapling Species: Shagbark Hickory, Box Elder

6. Canopy Cover 40 %

7. Density of shrub layer: sparse , Medium X, Dense ,

Foreign Invasion (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:

Signs of physical damage: Signs of insect/disease damage:

storm damage (ice/snow) hollow trunks
 grazing damage heavy stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

wetland 80 % flat land
 stream (dry/running)
 lake/pond 20 % rolling/hilly land
 springs
 rock outcroppings A avg. slope
 hill with vista West East slope orientation (aspect)
 bluffs, escarpments archaeological sites
 ravines
 ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood

Quality Rank-Good

COMMENTS: Disturbed community since it is heavily grazed. Marsh present
in western part which upgrades the quality rank from fair to good.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978

INV. J. Balogh

1. Wood lot # GZ

2. Woodlot location: Clifford Farmer

3. Woodlot Size 10 Acres
Road Rutland-Dunn Townline Rd.
Section NE1, Section 31

4. Common Plant Species:
over-story Trees: Shagbark Hickory, Apple, Black Oak, Black Walnut

under-story Shrubs: Gooseberry, Dogwood, Honeyuckle
Ground: Blackberry, Wild Grape

5. (4") Sapling Species: Cherry

6. Canopy Cover 40 %

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion sparse (Honeysuckle/Buckthorn)

8. Age of Stand: Mixed X Even-Age all middle age

9. Health of stand/disturbances:
Signs of physical damage: Signs of insect/disease damage:

- storm damage (te/snow)
- grazing damage - heavy
- logging damage
- construction work
- hollow trunks
- stem cankers
- wood borers
- wilted discolored leaves
- eaten leaves

10. Location in relation to other natural resources:

- wetland
- stream (dry/running)
- lake/pond
- springs
- rock outcroppings
- hill with vista
- bluffs, escarpments
- ravines
- ridge tops
- % flat land
- 10 % rolling/hilly land
- A,C,B avg. slope
- east slope orientation (aspect)
- west slope orientation (aspect)
- archaeological sites
- historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood - disturbed

Quality Rank-Fair

COMMENTS: This open oak stand is a disturbed community since it is heavily grazed.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978

INV. J. Balogh

1. Wood lot # QB

2. Woodlot location:

3. Woodlot Size 8 Acres
Road Sandhill Road
Section SW1, Section 31

4. Common Plant Species:
over-story Trees: Shagbark Hickory, Red Oak, Black Oak, Black Cherry,
Bur Oak, White Oak, Slippery Elm

Shrubs:
Ground: Sumac on edges

5. (4") Sapling Species: Hickory, Elm, Oak

6. Canopy Cover 30 %

7. Density of shrub layer: sparse X, Medium , Dense ,
Foreign Invasion sparse-dense (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances:
Signs of physical damage: Signs of insect/disease damage:

- storm damage (te/snow)
- grazing damage
- logging damage
- construction work
- hollow trunks
- stem cankers
- wood borers
- wilted discolored leaves
- eaten leaves

10. Location in relation to other natural resources:

- wetland
- stream (dry/running)
- lake/pond
- springs
- rock outcroppings
- hill with vista
- bluffs, escarpments
- ravines
- ridge tops
- % flat land
- 100 % rolling/hilly land
- A,G avg. slope 12-20% slope on south end
- west slope orientation (aspect)
- archaeological sites
- historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry Hardwood - disturbed

Quality Rank-Good

COMMENTS: Only very young and very old trees present. Grazing damage heavy. The woodlot has potential for re-growth with proper management. The quality rank is upgraded from fair to good due to it's proximity between wetlands (east and west of it).

WOODLAND EVALUATION FIELD SHEET

DATE October 3, 1978 INV. J. Balogh

1. Wood Lot # 09 2. Woodlot location: Road Schneider and Sandhill Rd.

3. Woodlot Size 10 Acres Section Spt. Section 19

4. Common Plant Species: Black Cherry, Aspen in lowland, Shagbark Hickory, Black Oak,
over-story
Bur Oak, Pin Oak, Elm

under-Shrubs: Gooseberry, Dogwood
story
 Ground: Wild Grapes, Pale Solomon Seal

5. (4") Sapling Species: Black Cherry, Oak, Shagbark Hickory

6. Canopy Cover 70-80 %

7. Density of shrub layer: sparse , Medium X, Dense ,
 Foreign Invasion none (Honeysuckle/Buckthorn)

8. Age of Stand: X Mixed Even Age

9. Health of stand/disturbances: General Health Good

D. HOOK LAKE

Signs of physical damage: Signs of insect/disease damage:
 storm damage (ice/snow) hollow trunks
 grazing damage stem cankers
 logging damage wood borers
 construction work wilted discolored leaves
 eaten leaves

10. Location in relation to other natural resources:

X Wetland % flat land
X stream (dry/running) Badfish Creek
 lake/pond 100 % rolling/hilly land
 springs north end +20% slope
X rock outcroppings G.D. avg. slope otherwise 12-20% slopes
X hill with vista North slope orientation(aspect)
X bluffs, escarpments archeological sites
X ravines historical sites
X ridge tops historical sites

11. Wildlife:

12. Community type-quality rank: Series: Dry Hardwood

Quality Rank-Good

COMMENTS: Near natural conditions present here. Good regeneration of
trees occurring.

WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978

INV. Personal Communication with Milo Schneider

1. Wood Lot # D1

2. Woodlot Location:

3. Woodlot Size 56 AcresRoad Schneider Road
Section NW 1/4 Section 28
NE 1/4 Section 29

4. Common Plant Species:

over-Trees: Red Oak, Black Oak, White Oak, Bur Oak, Black Cherry,
Few scattered Hickory, Box Elder
along shoreline: Birch, Willow

under-story Shrubs:

Gooseberry, Dogwood, Honeysuckle

Ground:

Wild Rose, Shooting Star, May-Apple, Wild Leek, Violets
Blackberry, Rasperry5. (4") Sapling Species: Black Cherry, all variety of Oaks6. Canopy Cover 80 %7. Density of shrub layer: sparse , Medium , Dense X,Foreign Invasion dense (Honeysuckle/Buckthorn)8. Age of Stand: X Mixed Even Age9. Health of stand/disturbances:

Signs of physical damage:

<u>X</u> storm damage (te/snow) minimal	<u>X</u> hollow trunks	a few
<u>X</u> grazing damage in 1950's	<u> </u> stem cankers	<u> </u>
<u>X</u> logging damage 15 years ago	<u> </u> wood borers	<u> </u>
<u> </u> construction work	<u>X</u> wilted discolored leaves	Oak wilt
<u> </u>	<u> </u> eaten leaves	<u> </u>

10. Location in relation to other natural resources:

<u>X</u> wetland	<u> </u> % flat land
<u>X</u> stream (dry/running)	<u> </u>
<u>X</u> lake/pond-Hook Lake	<u>90</u> % rolling/hilly land
<u> </u> springs	<u> </u>
<u> </u>	<u>B,C,D</u> avg. slope
<u> </u> rock outcroppings	<u> </u>
<u> </u> hill with vista	<u>North</u> slope orientation(aspect)
<u> </u> bluffs, escarpments	<u>South</u>
<u> </u> ravines	<u> </u> archeological sites
<u>X</u> ridge tops	<u> </u> historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry HardwoodQuality Rank-ExcellentCOMMENTS: Quality of the woodlot alone is good. However, due to its
location next to Hook Lake the rank is upgraded to excellent.

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WOODLAND EVALUATION FIELD SHEET

DATE October 2, 1978

INV. Personal Communication with Milo Schneider

1. Wood Lot # D2

2. Woodlot Location:

3. Woodlot Size 8 AcresRoad Sandhill Road
Section SW 1/4 Section 29

4. Common Plant Species:

over-Trees: Black Oak, Bur Oak, Basswood, Ash, Willow, Black Cherry

under-story Shrubs:

Honeysuckle

Ground:

5. (4") Sapling Species: Oak, Cherry6. Canopy Cover 70 %7. Density of shrub layer: sparse , Medium X, Dense ,Foreign Invasion medium (Honeysuckle/Buckthorn)8. Age of Stand: X Mixed Even Age9. Health of stand/disturbances:

Signs of physical damage:

<u>X</u> storm damage (te/snow)	<u> </u> hollow trunks	<u> </u>
<u>X</u> grazing damage 10 years ago	<u> </u> stem cankers	<u> </u>
<u> </u> logging damage	<u> </u> wood borers	<u> </u>
<u> </u> construction work	<u>X</u> wilted discolored leaves	Oak wilt
<u> </u>	<u> </u> eaten leaves	<u> </u>

10. Location in relation to other natural resources:

<u>X</u> wetland	<u>50</u> % flat land
<u>X</u> stream (dry/running)	<u> </u>
<u>X</u> lake/pond-Hook Lake	<u>50</u> % rolling/hilly land
<u> </u> springs	<u> </u>
<u> </u>	<u>A</u> avg. slope
<u> </u> rock outcroppings	<u> </u>
<u> </u> hill with vista	<u>East</u> slope orientation(aspect)
<u> </u> bluffs, escarpments	<u>West</u>
<u> </u> ravines	<u> </u> archeological sites
<u> </u> ridge tops	<u> </u> historical sites

11. Wildlife:

12. Community type-quality rank: Xeric: Dry HardwoodQuality Rank-ExcellentCOMMENTS: Quality of the woods alone is good. However, due to its location
adjacent to Hook Lake, the rating is upgraded to excellent.