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Site 3288: Madeline Island, Ashland County. 1957-07-19

[s.l.]: [s.n.], 1957-07-19

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3288

Data Form No. 20

Plant Ecology Research

Univ. of Wisconsin

STAND RECORD

FORESTS

Stand No. 3244

Name: *Makeline Island*
County: *Ashland*
Date: *July 19, 1957*
Size of Stand: *40 A*
Forest Type: *Jack Pine*
Topography: *level*

Locality: *South of Big Bay*
T: R: Sec:
Observers:
Size of Area Sampled:
Soil Type:
Slope: *slight* Directions: *east*

Condition of Stand: *Some large pine stumps. Jack pines mostly 70-80 feet tall*

Open Grown Trees:

% Canopy: *85%*

Stumps:

1.	4.	7.	10.
2.	5.	8.	11.
3.	6.	9.	12.

Soil Data:

	pH	N	P	K	Ca	Mg	Org. Mat.	Colloids	W.H.C.
A ₀									
A ₁									
A ₂									
B									

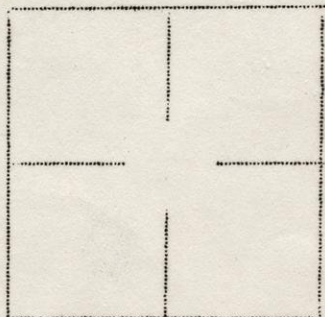
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	<i>1 1/8"</i>	<i>pine needles</i>
A ₁	<i>1 1/2"</i>	
A ₂	<i>1"</i>	
B		<i>red clay</i>

Parent Material:

Map:



3294

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	10	
<i>Abies balsamea</i>	✓				23✓		✓	17	32✓		3
<i>Acer rubrum</i>	1111 16✓	1111	1	1111	111✓	111	11✓	1	28	24✓	3
<i>Acer saccharum</i>							1	11	1✓		0
<i>Pop. tremuloides</i>									30	22	2
<i>Betula lutea</i>											
<i>Betula papyrifera</i>	45									12✓	2
<i>Quercus rubra</i>			111				17	1	60	11	2
<i>Tsuga canadensis</i>						1					
<i>Thuja occidentalis</i>											
<i>Picea glauca</i>					1				1	1	0
<i>Pinus Banksiana</i>	90	110 105 90 60	60 70 85 35	80 95 30	27 42 110	65 65 95 105	80 85 90	50 100		100 90	26
<i>Salix americana</i>	33										1
<i>Pop. grandidentata</i>				42							1
Tree distance	6 7 8 14	4 5 3 4	11 8 3	3 8 14 6	3 3 16 13	10 16 11 11	8 7 5 10	3 15 7 14	7 6 7 11	7 11 8 12	
Sapling distance	4 8 11 21	1 5 8 6	10 14 5 12	8 15 5 6	12 5 10 11	11 14 15 12	2 3 4 2	16 8 20 17	5 7 6 8	7 18 8 12	

POINT RECORD TREES APOSTLE ISLANDS

Point Number	1	2	3	4	5	6	7	8	9	20	
Abies balsamea	17 ✓	23	✓			20	15 24	18 17			7
Acer rubrum	20 ✓	30	44 ✓	11	111 ✓	11	1 ✓	11	111	11	3
Acer saccharum			✓	1			1			1	0
<i>Pop. trem.</i>					40						1
Betula lutea											
<i>Amelanchier</i>			✓								
Betula papyrifera											0
Quercus rubra	✓				✓	1	11	11			0
<i>Pinus strobus</i>									✓		0
Tsuga canadensis											
<i>Pinus resinosa</i>								100			1
Thuja occidentalis											
<i>Pinus glauca</i>	13		1			1		40	1	1	2
<i>Pinus banksiana</i>	140	20 92	140 80 70	40 90 100 105	125 70 50	110 130 140	97 80		85 40 105 145	80 70 70 110	26 4458
<i>Silia</i>				1							
Tree distance	6 6 10 8	15 8 4 14	8 9 17	14 6 2 4	5 10 15 10	5 6 7 12	4 2 12 11	8 3 3 9	9 8 11 14	4 5 12 11	673
Sapling distance	5 6 134	7 7 4 20	7 10 2 10	2 8 18 12	3 1 9 8	7 4 24 15	6 7 10 25	10 8 9 17	5 12 13 14	8 8 4 5	747

POINT RECORD TREES APOSTLE ISLANDS

Point Number	21	2	3	4	5	6	7	8	9	20	
<i>Abies balsamea</i>	15 ✓ 111	14 18 11	15 17 111	14 20 11	14 20 111	14 20 111	14 20 11	14 20 111	14 20 11	12 11	9
<i>Acer rubrum</i>	✓	✓	✓	✓	✓	✓	✓	✓	40 ✓	11	1
<i>Acer saccharum</i>		1							1	1	
<i>Betula lutea</i>											
<i>Amelanchier</i>	✓				✓		✓				
<i>Betula papyrifera</i>						15	40				2
<i>Quercus rubra</i>	1 ✓						1 ✓		✓		
<i>Tsuga canadensis</i>											
<i>Pinus resinosa</i>				140					95 110		3
<i>Thuja occidentalis</i>											
<i>Picea glauca</i>				1			24		13 17		3
<i>Pinus banksiana</i>	140 120 100	75 110	26 35 95 100	140	115 82	90 100 110	53 75	85 63 24	90	95	22 6381
Tree distance	5 9 3 7	2 8 5	3 5 4	7 11 6 6	16 4 6 7	10 6 6 3	12 8 15 9	2 3 7 9	5 9 3 5	8 1 2 5	933
Sapling distance	6 8 5 10	18 8 11 15	3 11 3 7	3 9 15 14	14 16 13 5	7 8 10 9	15 6 9	5 4 11 10	5 10 4 3	1 4 8 5	10820

32214

Data Form 106

Plant Ecology Research

University of Wisconsin

POINT RECORD TREES APOSTLE ISLANDS

Point Number	31	2	3	4	5	6	7	8	9	40
<i>Abies balsamea</i>		13 15	17 ✓	20	✓	14 16	18 ✓			15
<i>Acer rubrum</i>	100 ✓	1	11	111	111	111	11	111	111	11
<i>Acer saccharum</i>		1	1		1			1	1	1
<i>Betula lutea</i>										
<i>Betula papyrifera</i>	35 16	1	1	✓			✓	✓	14 ✓	23
<i>Quercus rubra</i>					✓		11			
<i>Tsuga canadensis</i>										
<i>Thuja occidentalis</i>										
<i>Picea glauca</i>		14	35	20	55		26			1
<i>Pinus Banksian</i>	110 65	120	140	75 120	120 140 102	65 75	115	100 80 80	65 100 125	95 140
<i>Pop. grandid.</i>	✓									
Tree distance	4 3 2 11	13 3 4 7	8 5 15	2 6 5 16	9 4 11 17	5 4 9 9	6 3 8 17	4 7 8 9	8 6 9 7	7 9 8 12
Sapling distance	3 4 7 4	7 6 2 11	5 8 8 11	5 6 7 9	5 13 12 9	3 19 8 7	4 6 14 11	4 9 7 7	9 16 9 9	8 8 7 9

8

20

12490
14010

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3244
Quadrat No. 1-10

<i>Actaea pachypoda</i>	<i>Fragaria virginiana</i>	<i>Potentilla simplex</i>
<i>Actaea rubra</i>	<i>Galium lanceolatum</i>	<i>Prenanthes alba</i>
<i>Adiantum pedatum</i>	<i>Galium triflorum</i>	<i>Pteridium aquilinum</i> 3, 7, 9
<i>Allium tricoccum</i>	<i>Gaultheria procumbens</i> 1, 9	<i>Pyrola elliptica</i>
<i>Anemone quinquefolia</i>	<i>Gaylussacia baccata</i>	<i>Pyrola rotundifolia</i>
<i>Aquilegia canadensis</i>	<i>Geranium maculatum</i>	<i>Pyrola secunda</i>
<i>Aralia nudicaulis</i> 3	<i>Geum canadense</i>	<i>Ranunculus recurvatus</i>
<i>Aralia racemosa</i>	<i>Gnaphalium obtusifolium</i>	<i>Rhus radicans</i> 4
<i>Arisaema atrorubens</i>	<i>Helianthemum sp.</i>	<i>Ribes americanum</i>
<i>Aster macrophyllus</i> 1, 3, 7, 9	<i>Helianthus strumosus</i>	<i>Rosa sp.</i>
<i>Aster sagittifolius</i>	<i>Hepatica acutiloba</i>	<i>Rubus parviflorus</i> 1, 3, 9
<i>Athyrium angustum</i>	<i>Hepatica americana</i>	<i>Rubus (blackberry)</i>
<i>Botrychium virginianum</i>	<i>Impatiens biflora</i>	<i>Rubus (dewberry)</i>
<i>Brachyelytrum erectum</i>	<i>Linnaea borealis</i> 1, 7	<i>Sambucus pubens</i> 1
<i>Carex albursina</i>	<i>Lonicera oblongifolia</i>	<i>Sanguinaria canadensis</i>
<i>Caulophyllum thalictroides</i>	<i>Lupinus perennis</i>	<i>Sanicula gregaria</i>
<i>Chimaphila umbellata</i>	<i>Lycopodium annotinum</i> 9	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i>	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 3, 5, 7, 9	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i> 1	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i> 3
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 1, 3, 5, 7, 9	<i>Taxus canadensis</i>
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 3, 7	<i>Mitella diphylla</i>	<i>Trientalis borealis</i> 9
<i>Cornus rugosa</i>	<i>Mitella nuda</i>	<i>Trillium grandiflorum</i>
<i>Corylus americana</i>	<i>Monotropa uniflora</i>	<i>Uvularia grandiflora</i>
<i>Corylus cornuta</i>	<i>Myrica asplenifolia</i>	<i>Uvularia sessilifolia</i>
<i>Cypripedium acaule</i>	<i>Onoclea sensibilis</i>	<i>Vaccinium angustifolium</i>
<i>Diervilla lonicera</i> 3	<i>Oryzopsis asperifolia</i>	<i>Vaccinium pennsylvanicum</i> 5, 7
<i>Dirca palustris</i>	<i>Osmorhiza claytoni</i>	<i>Viburnum acerifolium</i>
<i>Dryopteris linnaeana</i>	<i>Oxalis montana</i>	<i>Viola canadensis</i>
<i>Dryopteris phegopteris</i>	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i>	<i>Polygala pauciflora</i>	<i>Viola pallens</i>
<i>Epifagus virginiana</i>	<i>Polygonatum commutatum</i>	<i>Viola pubescens</i>
<i>Epigaea repens</i>	<i>Polygonatum pubescens</i>	<i>Waldsteinia fragarioides</i>

Populus sp. 5
Melospiza 7, 9

Viola sp. 3

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3244
Quadrat No. 11-20

<i>Actaea pachypoda</i>	<i>Fragaria virginiana</i>	<i>Potentilla simplex</i>
<i>Actaea rubra</i>	<i>Galium lanceolatum</i>	<i>Prenanthes alba</i>
<i>Adiantum pedatum</i>	<i>Galium triflorum</i>	<i>Pteridium aquilinum</i> 11, 13, 15, 19
<i>Allium tricoccum</i>	<i>Gaultheria procumbens</i>	<i>Pyrola elliptica</i>
<i>Anemone quinquefolia</i>	<i>Gaylussacia baccata</i>	<i>Pyrola rotundifolia</i>
<i>Aquilegia canadensis</i>	<i>Geranium maculatum</i>	<i>Pyrola secunda</i>
<i>Aralia nudicaulis</i> 15, 19	<i>Geum canadense</i>	<i>Ranunculus recurvatus</i>
<i>Aralia racemosa</i>	<i>Gnaphalium obtusifolium</i>	<i>Rhus radicans</i>
<i>Arisaema atrorubens</i>	<i>Helianthemum sp.</i>	<i>Ribes americanum</i>
<i>Aster macrophyllus</i> 11, 13, 15, 17	<i>Helianthus strumosus</i>	<i>Rosa sp.</i>
<i>Aster sagittifolius</i>	<i>Hepatica acutiloba</i>	<i>Rubus parviflorus</i> 11, 17
<i>Athyrium angustum</i>	<i>Hepatica americana</i>	<i>Rubus</i> (blackberry)
<i>Botrychium virginianum</i>	<i>Impatiens biflora</i>	<i>Rubus</i> (dewberry)
<i>Brachyelytrum erectum</i>	<i>Linnaea borealis</i>	<i>Sambucus pubens</i>
<i>Carex albursina</i>	<i>Lonicera oblongifolia</i> 13	<i>Sanguinaria canadensis</i>
<i>Caulophyllum thalictroides</i>	<i>Lupinus perennis</i>	<i>Sanicula gregaria</i>
<i>Chimaphila umbellata</i>	<i>Lycopodium annotinum</i> 13	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i>	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 11, 13, 15, 17, 19	<i>Lycopodium obscurum</i>	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i>	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i> 17
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 11, 13, 15, 17, 19	<i>Taxus canadensis</i>
<i>Cornus alternifolia</i> 13	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 13	<i>Mitella diphylla</i>	<i>Trientalis borealis</i>
<i>Cornus rugosa</i>	<i>Mitella nuda</i>	<i>Trillium grandiflorum</i>
<i>Corylus americana</i>	<i>Monotropa uniflora</i>	<i>Uvularia grandiflora</i>
<i>Corylus cornuta</i>	<i>Myrica asplenifolia</i>	<i>Uvularia sessilifolia</i>
<i>Cypripedium acaule</i>	<i>Onoclea sensibilis</i>	<i>Vaccinium angustifolium</i>
<i>Diervilla lonicera</i>	<i>Oryzopsis asperifolia</i>	<i>Vaccinium pennsylvanicum</i> 13, 19
<i>Dirca palustris</i>	<i>Osmorhiza claytoni</i>	<i>Viburnum acerifolium</i>
<i>Dryopteris linnaeana</i>	<i>Oxalis montana</i>	<i>Viola canadensis</i>
<i>Dryopteris phegopteris</i>	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i>	<i>Polygala pauciflora</i>	<i>Viola pallens</i>
<i>Epifagus virginiana</i>	<i>Polygonatum commutatum</i>	<i>Viola pubescens</i>
<i>Epigaea repens</i>	<i>Polygonatum pubescens</i>	<i>Waldsteinia fragarioides</i>

Aca spic 13, 15

Melampyrum 13

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3249
Quadrat No. 21-30

<i>Actaea pachypoda</i>	<i>Fragaria virginiana</i>	<i>Potentilla simplex</i>
<i>Actaea rubra</i>	<i>Galium lanceolatum</i>	<i>Prenanthes alba</i>
<i>Adiantum pedatum</i>	<i>Galium triflorum</i>	<i>Pteridium aquilinum</i> 25, 27
<i>Allium tricoccum</i>	<i>Gaultheria procumbens</i>	<i>Pyrola elliptica</i>
<i>Anemone quinquefolia</i>	<i>Gaylussacia baccata</i>	<i>Pyrola rotundifolia</i>
<i>Aquilegia canadensis</i>	<i>Geranium maculatum</i>	<i>Pyrola secunda</i>
<i>Aralia nudicaulis</i>	<i>Geum canadense</i>	<i>Ranunculus recurvatus</i>
<i>Aralia racemosa</i>	<i>Gnaphalium obtusifolium</i>	<i>Rhus radicans</i>
<i>Arisaema atrorubens</i>	<i>Helianthemum sp.</i>	<i>Ribes americanum</i>
<i>Aster macrophyllus</i> 23, 25	<i>Helianthus strumosus</i>	<i>Rosa sp.</i>
<i>Aster sagittifolius</i>	<i>Hepatica acutiloba</i>	<i>Rubus parviflorus</i> 21
<i>Athyrium angustum</i>	<i>Hepatica americana</i>	<i>Rubus</i> (blackberry)
<i>Botrychium virginianum</i>	<i>Impatiens biflora</i>	<i>Rubus</i> (dewberry)
<i>Brachyelytrum erectum</i>	<i>Linnaea borealis</i> 21	<i>Sambucus pubens</i>
<i>Carex albursina</i>	<i>Lonicera oblongifolia</i>	<i>Sanguinaria canadensis</i>
<i>Caulophyllum thalictroides</i>	<i>Lupinus perennis</i>	<i>Sanicula gregaria</i>
<i>Chimaphila umbellata</i>	<i>Lycopodium annotinum</i>	<i>Smilacina racemosa</i>
<i>Circaea alpina</i>	<i>Lycopodium complanatum</i>	<i>Smilacina stellata</i>
<i>Circaea latifolia</i>	<i>Lycopodium lucidulum</i>	<i>Smilax ecirrhata</i>
<i>Clintonia borealis</i> 23, 25, 27	<i>Lycopodium obscurum</i> 25	<i>Solidago ulmifolia</i>
<i>Coptis trifolia</i>	<i>Lysimachia quadrifolia</i>	<i>Streptopus roseus</i>
<i>Corallorrhiza maculata</i>	<i>Maianthemum canadense</i> 21, 25, 27	<i>Taxus canadensis</i>
<i>Cornus alternifolia</i>	<i>Mitchella repens</i>	<i>Thalictrum dioicum</i>
<i>Cornus canadensis</i> 25, 27	<i>Mitella diphylla</i>	<i>Trientalis borealis</i>
<i>Cornus rugosa</i>	<i>Mitella nuda</i>	<i>Trillium grandiflorum</i>
<i>Corylus americana</i>	<i>Monotropa uniflora</i>	<i>Uvularia grandiflora</i>
<i>Corylus cornuta</i>	<i>Myrica asplenifolia</i>	<i>Uvularia sessilifolia</i>
<i>Cypripedium acaule</i>	<i>Onoclea sensibilis</i>	<i>Vaccinium angustifolium</i> 23, 25
<i>Diervilla lonicera</i>	<i>Oryzopsis asperifolia</i>	<i>Vaccinium pennsylvanicum</i> 25, 27
<i>Dirca palustris</i>	<i>Osmorhiza claytoni</i>	<i>Viburnum acerifolium</i>
<i>Dryopteris linnaeana</i>	<i>Oxalis montana</i>	<i>Viola canadensis</i>
<i>Dryopteris phegopteris</i>	<i>Phryma leptostachya</i>	<i>Viola cucullata</i>
<i>Dryopteris spinulosa</i>	<i>Polygala pauciflora</i>	<i>Viola pallens</i>
<i>Epifagus virginiana</i>	<i>Polygonatum commutatum</i>	<i>Viola pubescens</i>
<i>Epigaea repens</i>	<i>Polygonatum pubescens</i>	<i>Waldsteinia fragarioides</i>

Melampyrum 21, 25

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

Stand No. 3244
Quadrat No. 31-40

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens 35	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
Aralia nudicaulis 37	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus 33, 35, 37, 39	Helianthus strumosus	Rosa sp.
Aster sagittifolius	Hepatica acutiloba	Rubus parviflorus
Athyrium angustum	Hepatica americana	Rubus (blackberry)
Botrychium virginianum	Impatiens biflora	Rubus (dewberry)
Brachyelytrum erectum	Linnaea borealis	Sambucus pubens 39
Carex albursina	Lonicera oblongifolia	Sanguinaria canadensis
Caulophyllum thalictroides	Lupinus perennis	Sanicula gregaria
Chimaphila umbellata	Lycopodium annotinum	Smilacina racemosa
Circaea alpina	Lycopodium complanatum	Smilacina stellata
Circaea latifolia	Lycopodium lucidulum	Smilax ecirrhata
Clintonia borealis 33, 35, 37	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia 33	Lysimachia quadrifolia	Streptopus roseus 37
Corallorrhiza maculata	Maianthemum canadense 33, 37, 39	Taxus canadensis
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis	Mitella diphylla	Trientalis borealis 35, 39
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
Corylus cornuta	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
Diervilla lonicera	Oryzopsis asperifolia	Vaccinium pennsylvanicum
Dirca palustris	Osmorhiza claytoni	Viburnum acerifolium 31, 37, 39
Dryopteris linnaeana	Oxalis montana	Viola canadensis
Dryopteris phegopteris	Phryma leptostachya	Viola cucullata
Dryopteris spinulosa	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides
	Melampyrum 36	Viola sp. 39
	Carex 39	

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO. 3244

✓ *Abies balsamea*
 ✓ *Acer rubrum*
Acer saccharum
Acer spicatum
 ✓ *Amelanchier* sp.
Betula lutea
 ✓ *Betula papyrifera*
Caprinus caroliniana
Carya cordiformis
Crategeus sp.
Fagus grandiflora
Fraxinus americana
Fraxinus nigra

Fraxinus pennsylvanica
Juglans cinerea
Larix laricina
Ostrya virginiana
 ✓ *Picea glauca*
 ✓ *Pinus banksiana*
 ✓ *Pinus resinosa*
Pinus strobus
Populus balsamifera
 ✓ *Populus grandidentata*
Populus tremuloides
Prunus pennsylvanica
Prunus serotina

Prunus virginiana
Quercus alba
Quercus ellipsoidalis
Quercus macrocarpa
 ✓ *Quercus rubra*
 ✓ *Sorbus decora*
Thuja occidentalis
 ✓ *Tilia americana*
Tsuga canadensis
Ulmus americana
Ulmus fulva

HERBS AND SHRUBS

Actaea pachypoda
Actaea rubra
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Alnus rugosa
Amphicarpa bracteata
Anemone canadensis
Anemone quinquefolia
Antennaria sp.
Apocynum androsaemifolium
Apocynum cannabinum
Aquilegia canadensis
Aralia nudicaulis
Aralia racemosa
Arctostaphylos uva-ursi
Arisaema atrorubens
Asarum canadense
Asclepias phytolaccoides
Aster cordifolius
Aster lateriflorus
Aster macrophyllus
Aster prenanthoides
Aster sagittifolius
Aster shortii
Aster umbellatus
Athyrium angustum
Aureolaria pedicularia
Boehmeria cylindrica
Botrychium virginianum
Brachyelytrum erectum
Bromus purgans
Campanula americana
Carex albursina
Carex pennsylvanica
Caulophyllum thalictroides
Celastrus scandens
Chimaphila umbellata
Chiogenes hispida

Circaea alpina
Circaea latifolia
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Convolvulus spithameus
Coptis trifolia
 ✓ *Corallorrhiza maculata*
Corallorrhiza striata
Cornus alternifolia
Cornus canadensis
Cornus femina
Cornus rugosa
Corylus americana
Corylus cornuta
Cryptotaenia canadensis
Cypripedium acaule
Cypripedium pubescens
Cystopteris fragilis
Danthonia spicata
Dentaria diphylla
Desmodium glutinosum
Desmodium nudiflorum
Dicentra canadensis
Dicentra cucullaria
Diervilla lonicera
Dirca palustris
Dryopteris linneana
Dryopteris phegopteris
Dryopteris spinulosa
Epifagus virginiana
Epigaea repens
Equisetum arvense
Erythronium americanum
Fragaria virginiana
Galium aparine
Galium boreale
Galium circaezans
Galium concinnum

Galium lanceolatum
Galium triflorum
Gaultheria procumbens
Gaylussacia baccata
Geranium maculatum
Geum canadense
Gnaphalium obtusifolium
Goodyera pubescens
Goodyera repens
Habenaria bracteata
Hamamelis virginiana
Helianthus strumosus
Hepatica acutiloba
Hepatica americana
Hieracium canadense
Hydrophyllum virginianum
Hystrix patula
Impatiens biflora
Lactuca canadensis
Laportea canadensis
Lappula virginica
Lathyrus ochroleucus
Ledum groenlandicum
Linnaea borealis
Lonicera canadensis
Lonicera hirsuta
Lonicera oblongifolia
Lonicera prolifera
Luzula multiflora
 ✓ *Lycopodium annotinum*
Lycopodium clavatum
 ✓ *Lycopodium complanatum*
Lycopodium lucidulum
 ✓ *Lycopodium obscurum*
Lycopodium tristachyum
Lycopus americanus
Lycopus uniflora
Lysimachia quadrifolia
Maianthemum canadense

☒ *Melampyrum lineare*
Mitchella repens
Mitella diphylla
Mitella nuda
Monarda fistulosa
Moneses uniflora
☒ *Monotropa uniflora*
Myrica asplenifolia
Onoclea sensibilis
Oryzopsis asperifolia
Osmorhiza claytoni
Osmunda cinnamomea
Osmunda claytoniana
Oxalis montana
Panax quinquefolia
Parietaria pennsylvanica
Parthenocissus vitacea
Pedicularis lanceolata
Phyrma leptostachya
Podophyllum peltatum
Polemonium reptans
Polygala pauciflora
Polygonatum commutatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteretis nodulosa
Pteridium aquilinum

Additional Species:

Pyrola elliptica
☒ *Pyrola rotundifolia*
Pyrola secunda
Ranunculus abortivus
Ranunculus recurvatus
Ranunculus septentrionalis
Rhus radicans
Rhus typhina
Ribes americanum
Ribes cynosbati
Ribes lacustre
Ribes triste
Rubus idaeus
Rubus parviflorus
Rubus hispidus
Rubus - blackberry
Rubus - dewberry
Rubus - raspberry
Sambucus canadensis
Sambucus pubens
Sanguinaria canadensis
Sanicula gregaria
Schizachne purpurascens
Scutellaria lateriflora
Shepherdia canadensis
Smilacina racemosa
Smilacina stellata
Smilax ecirrhata

Smilax herbacea
Smilax hispida
Solidago latifolia
Solidago ulmifolia
Streptopus amplexifolius
Streptopus roseus
Taxus canadensis
Thalictrum dioicum
Tiarella cordifolia
Trientalis borealis
Trillium cernuum
Trillium grandiflorum
Uvularia grandiflora
Uvularia sessilifolia
Vaccinium angustifolium
Vaccinium pennsylvanicum
Viburnum acerifolium
Viburnum affine
Viburnum lentago
Viola canadensis
Viola cucullata
Viola incognita
Viola pallens
Viola pubescens
Vitis aestivalis
Vitis riparia
Waldsteinia fragarioides
Zanthoxylum americanum

DEER DAMAGE REPORT FORM

Stand No. 3294

283

632

930

1286

Pt. No.	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con	Sp	Dis	Con
1	AB	4	L	AB	8	O	RP	6	M	RP	1	M
2	BP	12	T	PED	17	H	RP	8	M	RP	2	H
3	RP	7	H	CC	6	G	RP	3	H	BP	5	H
4	AB	2	O	RP	5	H	AB	8	O	AB	8	O
5	PT	1	H	VM	2	M	VM	5	T	AM	4	O
6	OR	1	H	AM	2	L	VM	3	H	VM	5	H
7	VM	2	H	PC	8½	O	PED	2	H	AB	2	O
8	AR	2	H	CC	7½	H	RP	7	M	VM	11	H
9	VM	4	H	RP	3	H	CC	3	O	AB	3	O
10	PC	8½	H	CC	2	M	OR	2	M	CC	4	H
11	PC	7	L	AR	8	T	PT	7	T	RP	9	L
12	AB	1	T	AR	13	H	BP	11	T	VM	12	H
13	VM	5	T	VM	5	T	LC	7	M	VM	5	M
14	CC	3	H	CC	4	L	CC	2	L	LC	6	L
15	LC	2	L	RP	5	O	VM	8	H	VM	4	H
16	CC	17	H	PT	8	T	PT	14	H	AB	11	O
17	RP	2	H	RP	2	H	RP	3	H	PP	3	M
18	PT	14	H	BP	8	H	LC	12	O	BP	14	H
19	BP	10	M	VM	8	H	PT	3	H	RP	13	M
20	AB	5	M	AB	8	H	AR	8	M	BP	11	L
21	BP	11	H	CC	3	M	AB	3	O	AB	5	L
22	VM	1	T	VM	8	H	VA	2	H	BP	7	H
23	BP	8	M	AB	13	L	PC	10	O	AB	20	L
24	LC	4	H	VA	3	H	OR	8	T	PT	4	T
25	PED	7	T	PED	11	H	RP	10	H	PT	18	M
26	PT	17	T	PT	6	M	CC	6	H	RP	8	H
27	OR	19	H	BP	38	H	PED	18	T	BP	9	H
28	VM	6	H	OR	2	H	AB	8	O	OR	15	M
29	AR	3	H	LC	11	H	PED	12	T	RP	3	H
30	BP	19	H	AR	13	M	BP	13	M	BP	16	H
31	PED	1	H	AR	7	G	AR	15	H	AB	8	L
32	BP	11	H	PED	11	M	AR	6	M	OR	8	H
33	PT	6	M	PT	11	H	PT	5	M	AR	13	O
34	AR	12	M	AR	22	H	BP	18	H	BP	15	H
35	PT	7	M	AB	6	O	PT	10	H	PT	12	H
36	RP	10	M	OR	16	M	PC	6	O	RP	8	H
37	PC	8	L	PT	12	L	AB	3	O	BP	11	M
38	AB	8	O	BP	15	M	VM	11	H	AR	11	M
39	LC	3	M	PT	6	T	BP	8½	T	LC	7	M
40	AR	8	M	LC	5	O	LC	4	L	PC	19	L

or di 8.04

P? : *Populus sp?*
 VM - *Vaccinium myrtillus*

~~3. *Lonicera sp?*~~
 L? *Lonicera oblongifolia*
 L - *Lonicera kussata*