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Site 1036: Cedarburg Woods, Saukville Woods, Ozaukee County, Township 10N, Range 21E, Section 1. 1948-05

[s.l.]: [s.n.], 1948-05

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IV

FOREST SURVEY

STATION RECORD

Stand No: **1036** Name: **Cedarburg**
 County: **Orange** T: **10N** R: **21E** Sec: **1** Locality: **Cedarburg**
 Date: **May-1948** Observers: **Bot. 200 Class - Fiquously Cottam**
 Size of Stand: _____ Size of Area Sampled: **16 pts**
 Forest Type: **Maple-Beech** Soil Type: _____
 Topography: _____

Condition of Stand:

Open Grown Trees:

Stumps:

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

Soil

Sample No:	pH	N	P	K	Colloids	Vol/wt	WHC
A ₀ _____	—	—	—	—	—	—	—
A ₁ _____	—	—	—	—	—	—	—
A ₂ _____	—	—	—	—	—	—	—

Depth

Characteristics (Color, texture, etc.)

A₀_____

A₁_____

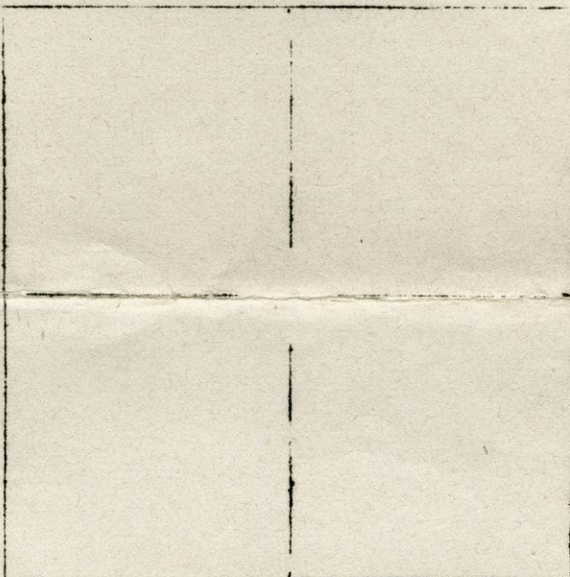
A₂_____

B _____

Parent Material:

Remarks: **Maple-Beech.**

Map



Saukville Woods

Species	Frequency	Density per Acre	Dominance sq. ft. per acre	Percent density	Percent dominance	DFD Index
Beech	75	86.00	53.20	50.00	32.54	157.54
Sugar maple	50	59.13	58.62	34.38	35.86	120.24
Basswood	25	21.50	31.35	12.50	19.18	56.68
Ash	6	<u>5.37</u>	<u>20.13</u>	3.12	12.42	21.54
		172.00	163.48			

356.00?

Average distance between trees 17.09

(16)														Station No. 1036	
Tree	No.	No.	Size Class sq. in.			No.	F. %	F. %	D. %	Dom. %	D F D	Index:		Station No. 1036	
	Pts.	Tr.	12-80	81-320	321+	Dom	Sap.	Seed	Seed	Tr.	Tr.	Trees	Index		
Acerrubrum														Total Length of	
A. saccharum	8	11	$\frac{6}{365}$	$\frac{4}{523}$	$\frac{1}{620}$	1558				32.1	34.4	35.9	1023	1020	Transect 273.4
Carya cord.															Total Length of
C. ovata															Transect Not found
Fagus grand.	12	16	$\frac{1}{401}$	$\frac{4}{640}$	$\frac{5}{378}$	1419				48.4	50	32.4	1315	1310	Ave. Dist. Btw'n
Fraxinus amar.	1	1			$\frac{1}{548}$	548				3.8	3.1	12.4	119	144	Trees 17.09
F. pennsylvani.															Saplings/unit area
Juglans cinere.															Ave. BA (Total BA: 80
J. nigra															No. Trees/acre 136.3
Ostrya virgin.															Dom./acre 172.
Populus grand.															
P. tremuloides															
Prunus serotin															
Quercus alba															
Q. macrocarpa															
Q. rubra															
Q. velutina															
Tilia american.	4	4	$\frac{1}{181}$	$\frac{3}{257}$		1838				16	25	19.2	48	300	384
Ulmus american.															
U. fulva															
Totals			$\frac{18}{32}$	$\frac{11}{847}$	$\frac{3}{1970}$	1546	4363			156					2056
							sgm.								

Saukville Woods

1036

Sugar Maple	32	✓	Beech	60	✓	21' 10"
"	56	✓	"	17	✓	23' 11"
"	89	✓	"	20	✓	17' 10"
Ash	83	✓	"	25	✓	12' 10"
Basswood	32	✓	Beech	36	✓	11' 11"
Sugar Maple	28	✓	Basswood	57	✓	9'
Beech	14	✓	Beech	22	✓	10' 6"
Beech	35	✓	"	22	✓	12' 3"
"	12	✓	"	44	✓	27' 9"
Basswood	58	✓	"	25	✓	15' 10"
Sugar Maple	31	✓	S. Maple	34	✓	14' 5"
"	33	✓	Basswood	54	✓	15'
Beech	21	✓	S. Maple	42	✓	21' 10"
"	27	✓	Beech	69	✓	13' 11"
S. Maple	24	✓	S. Maple	34	✓	21'
"	13	✓	Beech	36	✓	23' 10"

Saukville

Sugar maple	=	$\frac{1570.70}{11}$	=	142.75 sq"/Tree
Beech	=	$\frac{1425.31}{16}$	=	89.08 sq"/Tree
Ash	=	$\frac{548.21}{1}$	=	548.21 sq"/Tree
Barnwood	=	$\frac{939.79}{4}$	=	209.95 sq"/Tree

Total dominance = 4383.51 sq"
 av/tree all sp = 136.98 sq"

Frequency

S maple	8	=	50%
Barnwood	4	=	25%
Ash	1	=	6%
Beech	12	=	75%

distance = $\frac{273.5}{16}$ 1T = 17.09 1T/Tree

$\frac{1}{2}$ = 8.55

sguand = 73.1

$\sqrt{3.4644} = 253.24$ sq 1T/Tree

= 172.01 Tree/1/4 acre

~~Frequency~~ density =

		<u>90</u>	<u>Tree / Acre</u>
Sugar maple	$\frac{11}{32}$	= 34.38	59.13
Beech	$\frac{16}{32}$	= 50.00	86.00
Ash	$\frac{1}{32}$	= 3.12	5.37
Barnwood	$\frac{4}{32}$	= 12.50	21.50
			<u>172.00</u>

Saukville

dominance

all trees = 23560.56 sq in.

= 163.62 sq ft.

by sp

	<u>sq in</u>	<u>sq ft</u>	<u>%</u>
Bucke	7660.88	53.20	32.54
Basswood.	4513.93	31.35	17.18
S maple.	9440.81	58.62	35.86
Hob.	2924.89	20.31	12.42
	<u>23560.51</u>	<u>163.48</u> sq ft,	<u>100</u>

Saukville Woods

Species	Frequency	Density per Acre	Dominance sq. ft. per acre	Percent density	Percent dominance	DFD Index
Beech	75	86.00	53.20	50.00	32.54	157.54
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Ash	6	<u>5.37</u>	<u>20.13</u>	3.12	12.42	21.54
		172.00	163.48			

Average distance between trees 17.09

356.00 - based on
actual tree!

(13)													Station No. 1037
Tree	No.	No.	Size Class	sq. in.	No.	F.%	F.%	D.%	Dom.%	D F D	Index		
	Pts.	Tr.	12-80	81-320	321+	Dom	Sap.	Seed	Seed	Tr.	Tr.	Trees	
Acerrubrum													Total Length of Transect 167.9'
A. saccharum	2	2	$\frac{1}{25}$		733	758			19.9	7.7	32.6	50	500
Carya cord.													Total Length of Transect
C. ovata													Ave. Dist. Btw'n Trees 12.9
Fagus grand.	10	16	$\frac{12}{541}$	$\frac{4}{634}$		1175			49.4	6.5	50.6	161	1610
Fraxinus amer.	1	1	$\frac{1}{30}$			30			4.9	3.8	1.3	10	75
F. pennsylvani.													Saplings/unit area
Juglans cinere.													Ave. BA (Total BA: 80
J. nigra													89.3
Ostrya virgin.	3	3	$\frac{3}{64}$			61			14.9	11.5	2.6	39	270
Populus grand.													No. Trees/acre 301
P. tremuloides													Dom./acre
Prunus serotin													
Quercus alba													
Q. macrocarpa													
Q. rubra													
Q. velutina													
Tilia american.	2	2		$\frac{2}{189}$		189			19.9	7.7	8.1	26	145
Ulmus american.	1	1	$\frac{1}{72}$			72			4.9	3.8	3.4	12	145
U. fulva	1	1	$\frac{1}{38}$			38			4.9	3.8	1.6	11	145
Totals			$\frac{19}{267}$	$\frac{6}{823}$	733	2325							2835

sgin

146.2

Tree	BA	S	Tree	BA	S	Tree	BA	S
Acer negundo			Fagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Quercus alba		
A. saccharinum			F. nigra			Q. bicolor		
A. saccharum			F. pennsylvan.			Q. ellipsoid.		
Amelanchier sp.			Juglans cinere			Q. macrocarpa		
Betula lutea			J. nigra			Q. rubra		
B. nigra			Ostrya virgin.			Q. velutina		
B. papyrifera			Populus deltoii			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
Carya cordifor			P. tremuloides			Tilia american		
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					
						Distance:		
Actaea sp.			Shrubs & Herbs			Polygonatum commut.		
Adiantum pedat.			Eupatorium purpur.			Polygonatum pubesc.		
Agrimonia gryp.			Eupatorium rugosum			Polygonum virgin.		
Allium tricocc.			Festuca obtusa			Potentilla simpl.		
Amphicarpa brac.			Fragaria virgin.			Prenanthes alba		
Anemone quinque.			Galium aparine			Pteridium aquil.		
A. virginiana			G. circaezans			Pyrola elliptica		
Anemonella thal.			G. concinnum			Ranunculus abort.		
Antennaria sp.			G. lanceolatum			R. recurvatus		
Aplæctrum hiem.			G. triflorum			R. septentrion.		
Apocynum andros.			Geranium macul.			Rhus radicans		
Aquilegia canad.			Geum canadense			Ribes americanum		
Aralia nudicaul.			Goodyera pubesc.			R. cynosbati		
A. racemosa			Habenaria bract.			R. missouriense		
Arenaria later.			Hamamelis virg.			Rosa sp.		
Arisaema atrov.			Helianthus strum.			Rubus alleghen.		
Asarum canad.			Hepatica acutil.			R. occidentalis		
Aster macrophyll.			Heuchera richard.			R. strigosus		
A. sagittifolius			Hydrastis canad.			Sambucus canad.		
A. shortii			Hydrophyllum virg.			Sanguinaria can.		
Athyrium angust.			Hystrix patula			Sanicula gregaria		
Aureolaria grandif.			Impatiens biflora			S. marilandica		
Botrychium vir.			I. pallida			Smilacina racemosa		
Brachyelytrum			Isopyrum bitern.			S. stellata		
Campanula amer.			Lactuca spicata			Smilax ecirrhata		
Carex albursina			Laportea canad.			S. herbacea		
C. pennsylvan.			Lappula virgin.			S. hispida		
Caulophyllum thal.			Lathyrus ochrol.			Solidago altissima		
Celastrus scan.			Lonicera prolif.			S. latifolia		
Circaea latif.			Lysimachia quadr.			S. ulmifolia		
Claytonia virg.			Maianthemum can.			Thalictrum dioicum		
Cornus altern.			Menispermum can.			Trillium cernuum		
C. femina			Mitella diphylla			T. flexipes		
C. rugosa			Monarda fistulosa			T. grandiflorum		
Corylus americana			Orchis spectab.			T. recurvatum		
Cryptotaenia canad.			Oryzopsis racem.			Triosteum perfoliatum		
Cypripedium pubesc.			Osmorhiza clayton.			Uvularia grandiflora		
Cystopteris frag.			O. longistylis			Veronicastrum virg.		
Dentaria laciniata			Osmunda clayton.			Viburnum acerifolium		
Desmodium acumin.			Panax quinquef.			V. affine		
D. nudiflorum			Panicum latifolium			Viola cucullata		
Dicentra cucullaria			Parietaria pennsylv.			V. pubescens		
Dodecatheon meadia			Parthenocissus vit.			Vitis aestivalis		
Dryopteris spinulosa			Phlox divaricata			V. riparia		
Erigeron pulchellus			Phryma leptostachya			Zanthoxylum americ.		
Erythronium albidum			Podophyllum pelt.			Zizia aurea		
			Polemonium reptans					

II Hardwood Survey

Presence & Station Record

Stand No.: 1036

Agastache scrophul.
Allium canadense
Amorpha canesc.
Anaphalis marg.
Anemone cylindrica
Arabis canadensis
A. laevigata
A. lyrata
A. perstellata
Aralia hispida
Arisaema dracont.
Asclepias ovalif.
A. phytolaccoides
Aster azureus
A. paniculatus
A. prenanthoides
Athyrum thelypter.
Besseyia bullii
Boehmeria cylindr.
Botrychium multif.
Bromus purgans
Camptosorus rhizop.
Carex convoluta
Ceanothus americ.
Chimaphila umbell.
Cirsium altissim.
Clematis virgin.
Clintonia boreal.
Comandra umbellata
Conopholis americ.
Corallorrhiza mac.
Corydalis semperv.
Cynoglossum offic.
Cystopteris bulbif.
Desmodium bracteos.
D. canadense
Dicentra canad.
Diervilla lonicera
Dioscorea villosa
~~Dirca~~ palustris
Elymus villosus
~~Epifagus~~ virgin.

Erigeron philadel.
Erythronium americ.
Evonymus atropur.
Floerkea prosperp.
Fragaria vesca
Galium boreale
Gaultheria procumb.
Gaylussacia baccata
Gentiana quinquef.
Geum virginianum
Hedeoma hispida
~~Hepatica~~ americana
Heracleum lanatum
Hieracium canad.
H. scabrum
Hydrophyllum append.
Hypoxis hirsuta
Ilex verticillata
Juncus tenuis
Juniperus communis
J. virginiana
Krigia biflora
Lathyrus venosus
Lilium philadel.
Liparis liliifolia
Lobelia cardinalis
Lonicera dioica
~~L. hirsuta~~
Luzula acuminata
L. Multiflora
Miliun effusum
Mitchella repens
Monotropa uniflora
Onoclea sensibilis
Oryzopsis asperif.
Osmunda cinnamomea
Oxalis violacea
Panax trifolium
Paronychia canad.
Pedicularis canad.
Physocarpus opul.
Phytolacca decand.

Pilea pumila
Polymnia canad.
Polypodium vulgare
Prunella vulgaris
Pteretis nodulosa
Pyrus coronaria
P. ioensis
Ranunculus fascicul.
R. rhomboideus
Rhus glabra
R. typhina
Rubus hispidus
R. pubescens
Rudbeckia laciniata
Salix sp.
~~Sambucus~~ pubens
Saxifraga pennsylv.
Scrophularia lan.
S. marilandica
Senecio balsamitae
Silene stellata
Solanum nigrum
Solidago speciosa
Staphylea trifolia
Steironema ciliatum
S. lanceolatum
Streptopus roseus
Symplocarpus foet.
Taenidia integerr.
Taxus canadensis
Thalictrum dasycarp.
Thaspium aureum
Tradescantia ohio.
Uvularia sessilif.
Vaccinium canad.
Veronica serpyllif.
Viburnum lentago
V. trilobum
Vicia americana
Viola conspersa
V. incognita

Additional Species:

Salix sp.