



## **Site 1038: Ozaukee County, Township 11N, Range 21E, Section 30. 1948-05**

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

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IV

FOREST SURVEYSTATION RECORD

1038

1038

Stand No: 138 Name:  
 County: Ozaukee - Sankville T: 11 N R: 21 E Sec: 30 Locality: Sankville  
 Date: May 1948 Observers: Bot 200 Class - Equisetum Size of Area Sampled: 23 ft.  
 Size of Stand: Soil Type:  
 Forest Type: Maple-Beech.  
 Topography:

Condition of Stand:

Open Grown Trees:

Stumps:

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

Soil Partch (0-1)

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

Depth      Characteristics (Color, texture, etc.)

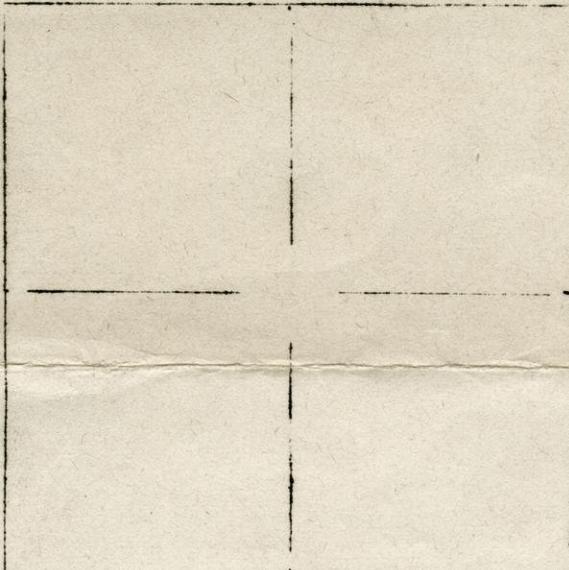
A<sub>0</sub> 2"A<sub>1</sub> 1"A<sub>2</sub> 5"

B \_\_\_\_\_

Parent Material:

Remarks:

Map



(23)

Tree	No. Pts.	No. Tr.	Size Class	sq. in.	No. Dom. Sap.	F. % Seed	F. % Seed	D. % Tr.	D. % Tr.	Dom. % Trees	D. % Index	F. %	Station No.	
<u>Acer rubrum</u>													Total Length of Transect	345.2'
<u>A. saccharum</u>	18	26	24 699	1 98	759	1556	50.1	56.5	34.7	141	141d		Total Length of Transect	
<u>Carya cord.</u>														
<u>C. ovata</u>			1 38			38		2.7	2.2	.8	63	21.0	Ave. Dist. Btw'n Trees	15.0
<u>Fagus grand.</u>	7	9	38 1132	5 1129	2329		194	196	151.3	1903	1900			
<u>Fraxinus americana</u>	4	4	27 236		283		11.1	8.7	6.4	265	195	Saplings/unit area		
<u>F. pennsylvanica</u>												Ave. BA (Total BA = 80)		
<u>Juglans cinerea</u>												98.8 sq in.		
<u>J. nigra</u>												No. Trees/acre	223	
<u>Ostrya virginiana</u>			1 58		58		2.7	2.2	1.3	16	54	Dom./acre		
<u>Populus grand.</u>													~98.8	
<u>P. tremuloides</u>													223	
<u>Prunus serotina</u>	1	1	20		20		2.7	2.1	1.4	65	17.5		296 <sup>4</sup>	
<u>Quercus alba</u>													291 <sup>6</sup>	
<u>Q. macrocarpa</u>													191 <sup>6</sup>	
<u>Q. rubra</u>													191 <sup>6</sup>	
<u>Q. velutina</u>													191 <sup>6</sup>	
<u>Tilia americana</u>	2	2	72 268		310		15.6	14.3	2.3	123	96		270 <sup>4</sup>	
<u>Ulmus american</u>														
<u>U. fulva</u>	2	2	23 103		126		15.6	14.3	2.8	13	104			
<b>Totals</b>			11 88	32 965	10 1837	4 1918	4720 sq.in.						2798	

Sect 3.0

Town of Saugus

Friggumay

Beech	7	30.42
S maple	18	78.24
Sug Hick	1	41.35
Ash	4	17.37
Bronwood	1	41.35
Bamwood	2	18.70
St Elm	2	18.70
Bl Cherry	1	41.35

Sugar maple  $\frac{1573.48}{26} = 60.60$

Beech  $\frac{2333.27}{9} = 259.25$

Ash  $\frac{288.93}{4} = 72.23$

St Elm  $\frac{126.13}{1} = 126.13$

Sug Hick  $\frac{38.51}{2} = 19.25$

Bronwood  $\frac{58.01}{1} = 58.01$

Bamwood  $\frac{104.49}{1} = 104.49$

Bl Cherry  $\frac{70.37}{1} = 70.37$

Total = 415.451.19 = 99,81 sq m/Tree

= 22087 sq m/acre

= 153,37 sq ft

Denutry	#	or	Tree/Acre
Sugar Maple	26	56.52	126.34
Beech	9	19.57	43.74
Ash	4	8.70	19.45
St Elm	2	4.35	9.72
Basswood	2	4.35	9.72
Doumwood	1	2.17	4.85
Saw Hick	1	2.17	4.85
Cherry	1	2.17	4.85
		<hr/> 100/00	<hr/> 223.52

Distance

$$\frac{345.2}{23} = 15.01 \text{ ft/Tree}$$

$$\times \frac{1}{2} = 7.50$$

$$\text{squared} = 56.25$$

$$\times 3.4644 = 194.87$$

$$= 223.53 \text{ Tree/Acre}$$

dominance				
Sugar Maple	58 in 765.6.20	58 ft 53.17	70	34.66
Beech	11339.60	79.75	51.	33
Ash	1404.87	9.76	6.	34
Sl Elm	613.104	4.24	2.	79
Basswood	507.87	3.53	2.	30
Ironwood	281.35	1.95	1.	27
Shagbark	186.77	1.30	6	85
Cherry	98.79	.69	.45	
	22088.49	153.41		
		153.39		

DFD

S maple	169.44
Beech	101.32
Ash	32.45
Sl Elm	15.93
Basswood	15.35
Ironwood	7.79
Shagbark	7.37
Bl Cherry	6.97

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toward Scituate Ozaukee 10<sup>38</sup>

Sugar Maple 15 ✓	Sugar Maple 18 ✓	6'2"
Beech 33 ✓	Shagbark Hickory 22 ✓	13'4
Sugar Maple 16 ✓	American Ash 37.5 ✓	7'7"
Sugar Maple 25 ✓	Sugar Maple 35 ✓	14'9"
Beech 69 ✓	" 14 ✓	8'10"
Beech 60 ✓	" 14 ✓	19'8"
Beech 22 ✓	" 17 ✓	11'5"
Sugar Maple 17 ✓	" 14 ✓	14'3"
" 28 ✓	" 19 ✓	14'10"
" 18 ✓	" 29 ✓	12'9"
Basswood 27 ✓	" 16 ✓	9'10"
Basswood 28 ✓	Sugar Maple 25 ✓	12'3"
American Ash 21 ✓	Basswood 23 ✓	11'7"
Slippery Elm 36 ✓	Ash. 12 ✓	16'10"
Sugar Maple 100 ✓	Sugar Maple 17 ✓	27'3"

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Town of Saukville  
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Sugar Maple 16 ✓ St Elm 17 ✓ 16' 10"

Beech 51 ✓ Beech 67 ✓ 25' 9"

" 56 ✓ " 73, ✓ 35' 6"

Beech 62 ✓ Sugar Maple 22 ✓ 18' 5"

Sugar Maple 14 ✓ " " 14 ✓ 11.5

" 16 ✓ " " 15 ✓ 4' 6"

" 27 ✓ Ash 40 ✓ 15' 4"

Black Cherry 16 Sugar Maple 21 ✓ 16

## Section 30, Town of Saukville, Ozaukee County

Species	Frequency	Density per Acre	Dominance sq. ft. per acre	Percent density	Percent dominance	DFD Index
Sugar maple	78.26	126.34	53.17	56.52	34.66	169.44
Beech	30.42	43.74	78.75	19.57	51.33	101.32
Ash	17.39	19.45	9.76	8.70	6.36	32.45
Slippery elm	8.70	9.72	4.26	4.35	2.78	15.83
Basswood	8.70	9.72	<del>3.573</del> <del>2.80</del>	4.35	2.30	15.35
Ironwood	4.35	4.85	1.95	2.17	1.27	7.79
Shagbark hickory	4.35	4.85	<del>1.30</del> <del>0.85</del>	2.17	0.85	7.37
Black cherry	4.35	4.85	<u>0.69</u>	2.17	0.45	6.97
	<u>223.52</u>		<u>153.41</u>			

Average distance between trees. 15.01 ft.

## Section 30, Town of Saukville, Ozaukee County

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Sugar maple	78.26	126.34	53.17	56.52	34.66	169.44
Beech	30.42	43.74	78.75	19.57	51.33	101.32
Ash	17.39	19.45	9.76	8.70	6.36	32.45
Slippery elm	8.70	9.72	4.26	4.35	2.78	15.83
Basswood	8.70	9.72	<del>3.53</del> <del>2.50</del>	4.35	2.30	15.35
Ironwood	4.35	4.85	1.95	2.17	1.27	7.79
Shagbark hickory	4.35	4.85	<del>1.30</del> <del>0.95</del>	2.17	0.85	7.37
Black cherry	4.35	<u>4.85</u>	<u>0.69</u>	2.17	0.45	6.97
		<u>223.52</u>	<u>153.41</u>			

Average distance between trees. 15.01 ft.

Tree	: BA	: S	: Tree	: BA	: S	: Tree	: BA	: S
Acer negundo			Eagus grandif.			Prunus virgin.		
A. rubrum			Fraxinus amer.			Cuercus 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 deltoi			Robinia pseudo		
Carpinus carol			P. grandident.			Sorbus americ.		
✓ Carya cordifor			P. tremuloides			Tilia american	11	
C. ovata			Prunus americ.			Ulmus american		
Celtis occiden			P. pennsylvan.			U. fulva		
Crataegus sp.			P. serotina					

Actaea sp.  
 Adiantum pedat.  
 Agrimonia gryp.  
 ✓ Allium tricocc.  
 Amphicarpa brac.  
 Anemone quinque.  
 A. virginiana  
 Anemonella thal.  
 Antennaria sp.  
 Aplectrum hiem.  
 Apocynum andros.  
 Aquilegia canad.  
 Aralia nudicaul.  
 ✓ A. racemosa  
 Arenaria later.  
 Arisaema atror.  
 Asarum canad.  
 Aster macrophyll.  
 A. sagittifolius  
 A. shortii  
 Athyrium angust.  
 Aureolaria grandif.  
 Botrychium vir.  
 Brachyelytrum  
 Campanula amer.  
 Carex albursina  
 C. pennsylvan.  
 Caulophyllum thal.  
 Celastrus scan.  
 Circaeа latif.  
 Claytonia virg.  
 Cornus altern.  
 C. femina  
 C. rugosa  
 Corylus americana  
 Cryptotaenia canad.  
 Cypripedium pubesc.  
 Cystopteris frag.  
 Dentaria laciniata  
 Desmodium acumin.  
 D. nudiflorum  
 Dicentra cucullaria  
 Dodecatheon meadia  
 Dryopteris spinulosa  
 Erigeron pulchellus  
 Erythronium albidum

Shrubs & Herbs  
 Eupatorium purpur.  
 Eupatorium rugosum  
 Festuca obtusa  
 Fragaria virgin.  
 Galium aparine  
 G. circaeans  
 G. concinnum  
 G. lanceolatum  
 G. triflorum  
 Geranium macul.  
 Geum canadense  
 Goodyera pubesc.  
 Habenaria bract.  
 Hamamelis virg.  
 Helianthus strum.  
 Hepatica acutil.  
 Heuchera richard.  
 Hydrastis canad.  
 Hydrophyllum virg.  
 Hystrix patula  
 Impatiens biflora  
 I. pallida  
 Isopyrum bitern.  
 Lactuca spicata  
 Laportea canad.  
 Lapula virgin.  
 Lathyrus ochrol.  
 Lonicera prolif.  
 Lysimachia quadr.  
 Maianthemum can.  
 Menispernum can.  
 Vitella diphylla  
 Monarda fistulosa  
 Orchis spectab.  
 Cryzopsis racem.  
 Csmorhiza clayton.  
 C. longistylis  
 Osmunda clayton.  
 Panax quinquef.  
 Panicum latifolium  
 Parietaria pennsyl.  
 Parthenocissus vit.  
 Phlox divaricata  
 Phryma leptostachya  
 Podophyllum pelt.  
 Polemonium reptans

Polygonatum commut.  
 Polygonatum pubesc.  
 Polygonum virgin.  
 Potentilla simpl.  
 Prenanthes alba  
 Pteridium aquil.  
 Pyrola elliptica  
 Ranunculus abort.  
 R. recurvatus  
 R. septentrion.  
 Rhus radicans  
 Ribes americanum  
 R. cynosbati  
 R. missouriense  
 Rosa sp.  
 Rubus alleghen.  
 R. occidentalis  
 R. strigosus  
 Sambucus canad.  
 ✓ Sanguinaria can.  
 Sanicula gregaria  
 S. marilandica  
 Smilacina racemosa  
 S. stellata  
 Smilax ecirrhata  
 S. herbacea  
 S. hispida  
 Solidago altissima  
 S. latifolia  
 S. ulmifolia  
 Thalictrum dioicum  
 Trillium cernuum  
 T. flexipes  
 T. grandiflorum  
 T. recurvatum  
 Triosteum perfoliatum  
 Uvularia grandiflora  
 Veronicastrum virg.  
 Viburnum acerifolium  
 V. affine  
 Viola cucullata  
 V. pubescens  
 Vitis aestivalis  
 V. riparia  
 Zanthoxylum americ.  
 Zizia aurea

*Presence*

II Hardwood Survey

Presence & Station Record

Stand No.: 1038

<i>Agastache scrophul.</i>	<i>Erigeron philadel.</i>	<i>Pilea pumila</i>
<i>Allium canadense</i>	<i>Erythronium americ.</i>	<i>Polymnia canad.</i>
<i>Amorpha canesc.</i>	<i>Evonymus atropur.</i>	<i>Polypodium vulgare</i>
<i>Anaphalis marg.</i>	<i>Floerkea prosperp.</i>	<i>Prunella vulgaris</i>
<i>Anemone cylindrica</i>	<i>Fragaria vesca</i>	<i>Pteretis nodulosa</i>
<i>Arabis canadensis</i>	<i>Galium boreale</i>	<i>Pyrus coronaria</i>
<i>A. laevigata</i>	<i>Gaultheria procumb.</i>	<i>P. ioensis</i>
<i>A. lyrata</i>	<i>Gaylussacia baccata</i>	<i>Ranunculus fascicul.</i>
<i>A. perstellata</i>	<i>Gentiana quinquef.</i>	<i>R. rhomboideus</i>
<i>Aralia hispida</i>	<i>Geum virginianum</i>	<i>Rhus glabra</i>
<i>Arisaema dracont.</i>	<i>Hedeoma hispida</i>	<i>R. typhina</i>
<i>Asclepias ovalif.</i>	<i>Heuchera americana</i>	<i>Rubus hispидus</i>
<i>A. phytolaccoides</i>	<i>Heracleum lanatum</i>	<i>R. pubescens</i>
<i>Aster azureus</i>	<i>Hieracium canaden.</i>	<i>Rudbeckia laciniata</i>
<i>A. paniculatus</i>	<i>H. scabrum</i>	<i>Salix sp.</i>
<i>A. prenanthoides</i>	<i>Hydrophyllum append.</i>	<i>Sambucus pubens</i>
<i>Athyrium thelypter.</i>	<i>Hypoxis hirsuta</i>	<i>Saxifraga pennsylv.</i>
<i>Besseya bullii</i>	<i>Ilex verticillata</i>	<i>Scrophularia lan.</i>
<i>Boehmeria cylindr.</i>	<i>Juncus tenuis</i>	<i>S. marilandica</i>
<i>Botrychium multif.</i>	<i>Juniperus communis</i>	<i>Senecio balsamitae</i>
<i>Bromus pubans</i>	<i>J. virginiana</i>	<i>Silene stellata</i>
<i>Camptosorus rhizop.</i>	<i>Krigia biflora</i>	<i>Solanum nigrum</i>
<i>Carex convoluta</i>	<i>Lathyrus venosus</i>	<i>Solidago speciosa</i>
<i>Ceanothus americ.</i>	<i>Lilium philadel.</i>	<i>Staphylea trifolia</i>
<i>Chimaphila umbell.</i>	<i>Liparis liliifolia</i>	<i>Steironema ciliatum</i>
<i>Cirsium altissim.</i>	<i>Lobelia cardinalis</i>	<i>S. lanceolatum</i>
<i>Clematis virgin.</i>	<i>Lonicera dicica</i>	<i>Streptopus roseus</i>
<i>Clintonia boreal.</i>	<i>L. hirsuta</i>	<i>Symplocarpus foet.</i>
<i>Comandra umbellata</i>	<i>Luzula acuminata</i>	<i>Taenidia integerr.</i>
<i>Conopholis americ.</i>	<i>L. Multiflora</i>	<i>Taxus canadensis</i>
<i>Corallorrhiza mac.</i>	<i>Milium effusum</i>	<i>Thalictrum dasycarp.</i>
<i>Cyclamen semperv.</i>	<i>Mitchella repens</i>	<i>Thaspium aureum</i>
<i>Cynoglossum offic.</i>	<i>Monotropa uniflora</i>	<i>Tradescantia ohio.</i>
<i>Cystopteris bulbif.</i>	<i>Onoclea sensibilis</i>	<i>Uvularia sessilif.</i>
<i>Desmodium bracteos.</i>	<i>Oryzopsis asperif.</i>	<i>Vaccinium canad.</i>
<i>D. canadense</i>	<i>Osmunda cinnamomea</i>	<i>Veronica serpyllif.</i>
<i>Dicentra canaden.</i>	<i>Oxalis violacea</i>	<i>Viburnum lentago</i>
<i>Diervilla lonicera</i>	<i>Panax trifolium</i>	<i>V. trilobum</i>
<i>Dioscorea villosa</i>	<i>Paronychia canad.</i>	<i>Vicia americana</i>
<i>Dirca palustris</i>	<i>Pedicularis canad.</i>	<i>Viola conspersa</i>
<i>Elymus villosus</i>	<i>Physocarpus opul.</i>	<i>V. incognita</i>
<i>Epifagus virgin.</i>	<i>Phytolacca decand.</i>	

Additional Species: