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Site 6005 (Boreal Stand 5). 1954-08-26

[s.l.]: [s.n.], 1954-08-26

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[= fire 6005]

Stand #5 - Aug 26/54

Soil Pit #1 - at survey Pt #1

Litter - $\frac{1}{2}$ - 1"

Ferment - $\frac{1}{2}$ - 1"

Humus - 2"

A₁ - $\frac{1}{2}$ "

A₂ - 4 - 4 $\frac{1}{2}$ " - ashy grey

A₃ - $\frac{1}{4}$ - $\frac{1}{2}$ "

Soil Pit #2 - near point #18

Litter - 1"

Ferment - $\frac{1}{2}$ - $\frac{3}{4}$ "

Humus - 1 - $1\frac{1}{2}$ "

A₁ - $\frac{1}{4}$ "

A₂ - 2" - ashy grey

A₃ - $\frac{1}{4}$ "

Summation of Soil Data for Algonquini Spruce-fir stands.

Soil pits #1

			Average	typical
L - 1/2"	L - 1-1 1/2"	L - 1/2"	2.8	L - 1"
F - 1/2"	F - 1"	F - 1/8"		F - 1/2"
H - 1 1/2-2"	H - 2-3"	H - 1/2-1"		H - 2"
A ₁ - 1/4"	A ₁ - no trace	A ₁ - 1/4-1/2"	0.25	A ₁ - 1/4"
A ₂ 1 1/2-2 1/2"	A ₂ - 1-2"	A ₂ - 1 1/2-2"	1.8	A ₂ - 2"
A ₃ - 1/2"		A ₃ - 1/2"		A ₃ - 1/2"

Soil Pits #2

L - 1/2"	L - 1"	L - 1/2-1"	2.1	L - 3/4"
F - 1/4"	F - 3/4"	F - 1/8"		F - 1/2"
H - 1/2"	H - 1"	H - 1"		H - 1"
A ₁ - 3/4"	A ₁ - 1/2"	A ₁ - 1/8"	0.5	A ₁ - 1/2"
A ₂ - 2"	A ₂ - 1-2"	A ₂ - 1"	1.5	A ₂ - 1 1/2"
A ₃ - 1/2"	A ₃ - 1/8-1/4"			A ₃ - 1/4"

Soil Pits #3

L - 1/2"	L - 1/4"	L - 3/4"	1.8	L - 1/2"
F - 1/4"	F - 1/2"	F - 1/8"		F - 1 1/4"
H - 1/2-1"	H - 1"	H - 1-2"		H - 1"
A ₁ - 1/4"	A ₁ - 1/4-1/2"	A ₁ - 1/2"	0.5	A ₁ - 1/4"
A ₂ - 1-2"	A ₂ - 3-3 1/2"	A ₂ - 2 1/2-3"	2.5	A ₂ - 2 1/2"
A ₃ - 1/4"	A ₃ 1-1 1/2"	A ₃ - 1/4"		A ₃ - 1/4"

Pits #4

L - 1 1/2"	L - 1"	L - 1/2"	3.7	L - 1"
F - 1"	F - 1/2"	F - 1/4"		F - 1/2"
H - 1"	H - 1"	H - 1/2-1"		H - 1"
A ₁ - no trace	A ₁ - 1/4"	A ₁ - 1/4"	0.3	A ₁ - 1/4"
A ₂ - 2 1/2-3"	A ₂ - 1 1/2-2"	A ₂ - 1 1/2-3"	2.1	A ₂ - 2"
A ₃ - 1/2"	A ₃ - 1/2"	A ₃ - 1/4"		A ₃ - 1/2"

Pits #5

L - $\frac{1}{2}$ - 1"
 F - $\frac{1}{2}$ - 1"
 H - 2"
 A₁ - $\frac{1}{2}$ "
 A₂ - 4 - 4 $\frac{1}{2}$ "
 A₃ - $\frac{1}{4}$ - $\frac{1}{2}$ "

L - 1"
 F - $\frac{1}{2}$ - 3 $\frac{1}{4}$ "
 H - 1 - 1 $\frac{1}{2}$ "
 A₁ - $\frac{1}{4}$ "
 A₂ - 2"
 A₃ - $\frac{1}{4}$ "

3.2

0.3

3.0

Typical

L - 1"
 F - $\frac{3}{4}$ "
 H - 1 $\frac{1}{2}$ "
 A₁ - $\frac{1}{4}$ "
 A₂ - 3"
 A₃ - $\frac{1}{4}$ "

#1 Typical 5.

L - 1"
 F - $\frac{1}{2}$ "
 H - 2"
 A₁ - $\frac{1}{4}$ "
 A₂ - 2"
 A₃ - $\frac{1}{2}$ "

#2

L - $\frac{3}{4}$ "
 F - $\frac{1}{2}$ "
 H - 1"
 A₁ - $\frac{1}{2}$ "
 A₂ - 1 $\frac{1}{2}$ "
 A₃ - $\frac{1}{4}$ "

#3

L - $\frac{1}{2}$ "
 F - 1 $\frac{1}{4}$ "
 H - 1"
 A₁ - $\frac{1}{4}$ "
 A₂ - 2 $\frac{1}{2}$ "
 A₃ - $\frac{1}{4}$ "

#4

L - 1"
 F - $\frac{1}{2}$ "
 H - 1"
 A₁ - $\frac{1}{4}$ "
 A₂ - 2"
 A₃ - $\frac{1}{2}$ "

#5

L - 1"
 F - $\frac{3}{4}$ "
 H - 1 $\frac{1}{2}$ "
 A₁ - $\frac{1}{4}$ "
 A₂ - 3"
 A₃ - $\frac{1}{4}$ "

Typical.

L - 1" - 1 $\frac{1}{2}$ "
 F - $\frac{1}{2}$ " - 1"
 H - 1" - 2 $\frac{1}{2}$ "
 A₁ - $\frac{1}{4}$ " - 0
 A₂ - 1 - 4"
 A₃ - $\frac{1}{4}$ - $\frac{1}{2}$ "

Plant Ecology Research
TREE DATA SUMMARY SHEET

University of Wisconsin

264.0

~~Northern Pine-Hardwoods~~
Spruce-fir

Station Number: 5 - 1556

TREE	# PTS	# TRS	DOM. CLASSES			TOT. DOM.	# SAP	D. % SAP	F. % SDL	F. % TRS	% SUM F. TR.	D. % TRS	DOM% TRS	DFD INDEX	C. I.
			-80	-320	321										
Abies bals	30	50				1685	77	48.1		75.0	26.3	31.2	14.4	71.9	503.3
Acer rubru															
A. sacchar															
A. spicatu															
Betula lut															
B. papyrif	5	5				529				12.5	4.4	3.1	4.5	12.0	60.0
Carpinus c															
Fagus gran															
Ostrya vir															
Picea glau	31	45				4565	24	15.0		77.5	27.2	28.1	39.0	94.3	565.8
Picea mar. Pinus-Bank	13	18				1193	47	29.4		32.5	11.4	11.2	10.2	32.8	65.6
P. resinosa	2	2				510				5.0	1.8	1.3	4.3	7.4	22.2
P. Strobus	21	26				2686				52.5	18.4	16.3	22.9	57.6	288.0
Populus ba															
P. grandid															
P. tremulo	12	14				550	12	7.5		30.0	10.5	8.7	4.7	23.9	47.8
Prunus pen															1.0
Quercus el															
Q. rubra															
Tilia amer															
Tsuga cana															
Thuja occi															
Ulmus amer															
U. fulva															
Larix lar.															1.0
Amelanchier sp															1.0
TOTALS		160				11,718	160	100.0		285.0	100.0	100.0	100.0	3.00.0	1556

AVE. DIST. BTW'N TREES:

19.04'

AVE B. A.:

73.259"

TREES/ACRE:

120

DOM./ACRE:

8,789

N. Limit
Index

575.2

108.0

943.0

328.0

44.4

345.6

215.1

1.0

1.0

1.0

2562.3

Mid Range
Index

647.1

120.0

943.0

328.0

51.8

403.2

191.2

8.0

10.0

3.0

2705

STAND #5

Tree	No. Pts.	No. Tr.	Size Class Sq. In.			Dom.	No. Sap.	No. Seed	F.% Seed	F.% Tr.	D.% Tr.	Dom.% Trees	D F D Index	Station No.
ABIES BALSAMEA	30	50	12-80:81-320:321- 7-65 66-260 261+			1685	77	3	23.1 15	75.0 (26.3)	31.25	14.38	71.93	Total Length of Transect 3600'
ACER PENNSYLVANICUM														Total Length of Transect
ACER RUBRUM														Ave. Dist. Btw'n Trees 19.04'
ACER SACCHARUM														Saplings/unit- area 122
ACER SPICATUM														Ave. BA (Total BA: 128) 73.24 sq"
BETULA LUTEA														No. trees/acre 120
BETULA Papyrifera	5	5	2	3		529		2	15.4 10	12.5 (4.4)	3.03	4.51	12.04	Dom./acre 8,789
FAGUS GRANDIFOLIA														
FRAXINUS AMERICANA														
FRAXINUS NIGRA														
LARIX LARICINA														
OSTRYA VIRGINIANA														
PICEA GLAUCA	31	45	16	28		4565	24	4	30.7 20	77.5 (27.2)	28.13	38.96	94.29	
PICEA MARIANA	13	18	9	9		1193	47			32.5 (11.4)	11.25	10.18	32.83	
PINUS RESINOSA	2	2		12	1	510				5.8 (1.8)	0.25	4.35	7.40	
PINUS STROBUS	21	26	6	10	20	2686		2	15.4 10	52.5 (18.4)	16.25	22.92	57.57	
POPULUS BALSAMIFERA														
POPULUS GRANDIDENTATA														
POPULUS TREMULOIDES	12	14	12	13	2	550	12	2	15.4 10	30.0 (10.5)	8.75	4.69	23.94	
PRUNUS SEROTINA														
PRUNUS PENNSYLVANICUM														
PYRUS AMERICANA														
THUJA OCCIDENTALIS														
TILIA AMERICANA														
ULMUS AMERICANA														
ULMUS RUBRA														
TOTALS	114	160	93	66	1	11,718	160	13		(100.0)	100.0	100.0	300.0	

Stand #5 - Aug. 18/54

Preliminary Survey

Situated in "Pinery" - Bounded on N. by Bat Lake, W. by Crosby Creek, S. by Highway 60 + E. by canyote road.

Size - determined from aerial photos. - 60 chains x 30 chains or 200 acres

Counting along a compass line from NE corner - SW. 45°

Counting *Picea glauca* + *Pinus strobus* - transect 12' on each side

Area has been burned + timbered for pine. 100 paces segments only trees

Stand is approx 50 yrs old - burning records.

White Spruce.		White Pine	
///	///	10	2
///	///	9	2
///		7	2
///		8	3

typical pinery - barren + dry, much badger.

Many poplar groves throughout

Stand has been very badly budwormed in some sections.

These areas in some cases were difficult to avoid. The

degree of attack has been indicated in paucity of trees - 120/acre.

Large openings have accounted for some of this value.

[illegible]

THE UNIVERSITY OF WISCONSIN
MADISON 6, WISCONSIN, U. S. A.

DEPARTMENT OF BOTANY
BIRGE HALL

Test of Homogeneity - Using *Picea glauca*
40 points yielded 45 trees
Expected for each 10 points = 11 trees

EXPECTED	OBSERVED	DEVIATION	(DEVIATION) ²	$\frac{(DEV.)^2}{EXPECTED}$
11	13	+2	4	0.3
11	15	+4	16	1.0
11	12	+1	1	0.1
11	5	-6	36	3.2
	<u>Σ = 45</u>	<u>+1</u>		<u>4.6</u>

$\chi^2 = 4.6$ 3° FREEDOM
PROBABILITY = 0.20

Test of Homogeneity - Using *Pinus strobus*
40 pts. yielded 26 trees
Expected for each 10 points = 6

EXPECTED	OBSERVED	DEVIATION	(DEVIATION) ²	$\frac{(DEV.)^2}{EXPECTED}$
6	4	-2	4	0.6
6	8	+2	4	0.6
6	6	0	0	0.0
6	8	+2	4	0.6
		<u>+2</u>		<u>1.8</u>

$\chi^2 = 1.8$ 3° FREEDOM
PROBABILITY = 0.7 - 0.5

Total distances for trees - 3047'
 Av. distance (160 trees) - 19.04'
 Total distances for saplings - 3025'
 Av. distance (160 saplings) - 18.91'

Frequency - trees.	freq	freq %
<i>Abies balsamea</i> .	50	31.25
<i>Picea glauca</i>	45	28.13
<i>Pinus strobus</i>	26	16.25
<i>Picea mariana</i>	18	11.25
<i>Pop. trem.</i>	14	8.75
<i>Betula pop.</i>	5	3.13
<i>Pinus resinosa</i>	2	1.25
	160	100.00

	P.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Achillea millefolium																							
Actaea pachypoda																							
Actaea rubra																							
Adiantum pedatum																							
Agastache foeniculum																							
Agrimonia gryposepala																							
Agrostis perennans																							
Allium tricoccum																							
Alnus crispa																							
Alnus rugosa																							
Amphicarpa bracteata																							
Anaphlis margaritacea	✓																					1	5
Anemone canadensis																							
Anemone cylindrica																							
Anemone quinquefolia																							
Anemone virginiana																							
Antennaria spp.	✓																						1
Apocynum androsaemifolium	✓																						1
Aquilegia canadensis																							
Aralia hispida																							
Aralia nudicaulis	✓																					3	15
Aralia racemosa																							
Arctostaphylos uva-ursi																							
Arenaria lateriflora																							
Arisaema atrorubens																							
Asarum canadense																							
Asclepias exaltata																							
Aster acuminatus																							
Aster ciliolatus																							
Aster furcatus																							
Aster lateriflorus																							
Aster macrophyllus	✓																					1	5
Aster nova-angliae																							
Aster paniculatus																							
Aster puniceus																							
Aster sagittifolius																							
Aster umbellatus	✓																						1
Athyrium filix-femina																							
Athyrium thelypteroides																							
Botrychium lanceolatum																							
Botrychium lunaria																							
Botrychium matricariaefolium	✓																						1
Botrychium multifidum	✓																						1
Botrychium virginianum																							
Brachelytrum erectum																							
Caltha palustris																							
Calypso bulbosa																							
Campanula rotundifolia																							
Carex arctata																							
Carex aurea																							
Carex brunnescens																							
Carex canescens																							

[illegible]

[illegible]

[illegible]

[illegible]

University of Wisconsin
STAND NO. 5

	/0	20
Podophyllum peltatum		
Polygala paucifolia ✓		7 35
Polygonatum biflorum		
Polygonatum pubescens		
Polygonum cilinode		
Polymnia canadensis		
Polypodium virginianum		
Potentilla canadensis		
Potentilla norvegica		
Potentilla simplex		
Potentilla tridentata		
Prenanthes alba		
Primula mistassinaca		
Prunella vulgaris		
Prunus pumila		
Pteretis pensylvanica		
Pteridium aquilinum ✓		20 100
Pyrola asarifolia		
Pyrola elliptica ✓		1
Pyrola grandiflora		
Pyrola minor		
Pyrola rotundifolia		
Pyrola secunda		
Pyrola virens		
Pyrus floribunda		
Pyrus melanocarpa		
Ranunculus abortivus		
Ranunculus acris		
Ranunculus pensylvanicus		
Ranunculus recurvatus		
Ranunculus repens		
Ranunculus septentrionalis		
Rhamnus alnifolia		
Rhus glabra		
Rhus radicans		
Rhus typhina		
Rhus vernix		
Ribes americanum		
Ribes cynosbati		
Ribes glandulosum		
Ribes hirtellum		
Ribes lacustre		
Ribes oxycanthoides ✓		1
Ribes triste		
Rosa sp.		
Rubus allegheniensis ✓		1
Rubus idaeus ✓		1
Rubus hispidus		
Rubus odoratus		
Rubus parviflorus		
Rubus pubescens ✓		1
Rubus (blackberry)		

[illegible]

[illegible]

[illegible]

Stand #5 - Running List of Plants

Picea glauca *Picea mariana*

Pinus strobus

Pinus resinosa

Abies balsamea

Populus trem.

Betula papyrifera

Larix laricina

Amelanchier sp.

Sonchera canadensis

Vacc. angust

Vacc. myrt.

Lycopodium obscurum

" " var. *dend.*

" *clavatum*

" *annuum*

" *lucidulum*

Cornus canadensis

Polygala paucifolia

Taraxacum repens

Maianthemum canadense

Anaphalis margaritacea

Hebeacum aurantiacum

" *pratense*

" *scabrum*

Botrychium matricariaefolium

Pteridium aquilinum

Calcegon phreberi

Oreocetes borealis

Acer. rubrum - seedling

Aralia nudicaulis

Solidago canadensis

Grasses spp.

Carex spp.

Corylus cornuta

Rubus idaeus

Ribes oxycanthoides

Lubus pubescens

Spiraea latifolia

Spiranthes borazoffiana

Melanopyrum lineare

Dierilla loniceria

Lycop. clavatum var. *megastachyon*

Prunus persylvanica

Linnaea borealis

Botrychium ? *multifidum*

Cladonia rangiferina

Polytrichum junip

Copris grandlandicum

Lycop. tristachyum

Lycop. complanatum

Apocynum andros

Eragrostis strigosus

Sambucus pubens.

Pyrola elliptica

Saxifraga procumbens

Saxifraga hirsutula

Trifolium repens

Asplenium canadensis

Paraxanthum officinale

Aster umbellatus

Dryopteris spinulosa

Saxifraga canadensis

Viburnum cassinoides

Epigaea repens

Rubus Allagabensis

Solidago graminifolia

Epil. angust

Cladonia cornuta

Aster macrophyllus

Vida papilionacea

Salix triflorum

Quadrat #1 - Survey Pt #1 - Stand 5 - Aug. 26/54

Pterid ag.
Lycop. tristachyum
Cornus

Vacc. angust
Vacc. myrt.

Pinus stro seedling

Saulthornia pro.
Cladonia rangifer
Clad. gracilis

- (a) Picea glauca 8" ⁵⁰ 21' from pt. - height - 32' - +
Picea gl. 2" 12' " " - " 11' - s
- (b) Picea mar. 11 1/2" ¹⁰⁴ 18' " " - " 35' - +
Picea mar. 1" 12' " " - " 8' - s
- (c) Pinus stro. 14" ¹⁵⁴ 40' " " - " 30' - +
Abies bal. 1 1/2" 25' " " - " 9' - s
- (d) Picea gl. - 12" ¹¹³ 19' " " - " 42' - +
Abies bal. - 1" 8' " " - " 9' - s

light litter tracken.

mod. tracken, consid blue, no hazel.

Bs, Ws, Wp, Ab, Rp.

Bs, Ws + Ab. regen.

T.D. = 98'

EX 60' -



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

Survey Pt #2

- (a) *Picea gl.* 14" ¹⁵⁴ 22' from point - height - 48' - +
Picea mar. 1" , 15' " " - " - 5' - S
- (b) *Abies bal.* 4 1/2" ¹⁶ 11' " " - " - 40' - +
Picea mar. 1" , 16' " " - " - 7' - S
- (c) *Abies bals.* - 8 1/2" ⁵⁶ 12' " " - " - 42' - +
Abies bal. - 2 1/4" , 25' " " - " - 14' - S
- (d) *Pinus res.* - 17" ²²⁷ 14' " " - " - 52' - +
Picea mar. 2" , 13' " " - " - 12' - S

Heavy litter needles + bracken.

Heavy bracken + blue, no hazel.

Wp, Ab, Bs, Ws, Pr, Wb

Bs; Ws + Bal regen

T.D. = 59'

ex 21

┌

└

Quadrat #2 Survey Pt. #3 -

Pterid. ag.
Epil. angust
Hl. graham.
Clad. rang.
Polypodium jun.
Cornus.
Clad. granulos.
Cahergeron
Sax. sp.

Stand 5 - Aug 26/54.
Pic. gl. seedling + shrub
Vacc. angust.
Empetrum latifolium

(a) Pinus stro.	12" ¹¹³	12'	from point	-	height	- 29' - +
Picea mar.	2 1/2"	24'	"	"	-	" - 15' - S
(b) Picea gl.	4" ¹³	9'	"	"	-	" - 15' - +
Picea mar.	2"	21'	"	"	-	" - 16' - S
(c) Abies bal.	9" ⁶⁴	24'	"	"	-	" - 38' - +
Abies bal.	2 1/2"	22'	"	"	-	" - 16' - S
(d) Picea gl.	9" ⁶⁴	31'	"	"	-	" - 30' - +
Picea mar.	1"	37'	"	"	-	" - 9' - S

mod. heavy litter of bracken + needles.

Fairly heavy blue, + bracken, no hazel

Wp, Ws, Ab, Bs. Pt. Rp.

Ws, Bs, Ab. regen.

T.D. = 76'

ex. 38'



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

Survey Pt. #4

- (a) Picea gl. - 13" ¹³³, 28' from pt - height - 46' - +
 Abies bal. 2 1/2", 20' " " - 17' - S
- (b) Picea gl. 13" ¹³³, 19' " " - 50' - +
 Abies bal. 1 1/4", 22' " " - 9' - S
- (c) Abies bal. 3 1/2" ⁹, 3' " " - 25' - +
 Picea gl. 1", 24' " " - 8' - S
- (d) Abies bal. 7" ³⁹, 14' " " - 36' - +
 Abies bal. 1 1/4", 16' " " - 7' - S

Light litter bracken + dead wood.

mod heavy bracken + blue, ^{very} little hazel.

Ws, Ab, Wp, Bs, Rp.

Bal, Bs + Ws ^{up}regen.

T.D. = 64'

Quadrat #3 Survey point #5 - Stand #5 - Aug 18/54

Pterid ag.

Carex sp.

Grass sp. - bunch.

Heraculum amantiacum

Polytrichum junip.

Bladonna rangi

Vacc. myrt.

Pop trem - dead.

(a) <i>Picea mariana</i>	13" ¹³³	17'	from point	-	height	-	55'	-	+
<i>Picea mar.</i>	2"	12'	"	"	-	"	-	10'	- S
(b) <i>Abies bals.</i>	5 1/2" ²⁴	14'	"	"	-	"	-	30'	- +
<i>Picea mar.</i>	2 1/2"	12'	"	"	-	"	-	14'	- S
(c) <i>Abies bals.</i>	4 1/2" ¹⁶	14'	"	"	-	"	-	27'	- +
<i>Picea mar.</i>	1 1/2"	3'	"	"	-	"	-	7'	- S
(d) <i>Picea mar.</i>	12" ¹¹³	25'	"	"	-	"	-	50'	- +
<i>Picea mar.</i>	2 1/2"	10'	"	"	-	"	-	14'	- S

Light litter tracken.

Heavy tracken, consid blue, no hazel

Bs, Ab, Pt, Ws, Wp

Black spruce regen

Parong NW.

T.D. = 70'

Survey point # 6

(a) <i>Picea gl.</i>	-	6" ²⁸	26'	from point	-	height	-	18'	-	+
<i>Picea mar.</i>	-	1"	30'	" "	-	"	-	6'	-	s
						"	-	32'	-	+
(b) <i>Abies bals.</i>	-	5" ²⁰	20'	" "	-	"	-	7'	-	s
<i>Abies bals.</i>	-	1"	38'	" "	-	"	-	48'	-	+
						"	-	13'	-	s
(c) <i>Pop. trem.</i>	-	11" ⁹⁵	17'	" "	-	"	-	15'	-	+
<i>Abies bals.</i>	-	2 1/2"	13'	" "	-	"	-	12'	-	s
						"	-			
(d) <i>Picea mar.</i>	-	4" ¹³	14'	" "	-	"	-			
<i>Abies bals.</i>	-	2"	19'	" "	-	"	-			

Moderate little leaves, bracken, grass

Some bracken, heavy blueberry grasses + Carex, no hazel

Ws, Ab, Pt, Bs, Wp, Rp

W + B spruce + balsam regen.

T.D. = 77'

Quadrat # 4 Survey point # 7 - Stand 5 - Aug 18/54

Pterid ag.
Cornus can.
Lycop. clav. meg.
Arise spp.
Carex sp.
Mentale bon
Polygala pau
Hed. aurant.
Melampyrum

Vacc. angust
Ws. pedling

(a) Abies bals.	5 1/4" ²²	23'	from point	-	height	25' - +
Abies bals.	1 1/2"	3'	"	"	"	13' - s
(b) Picea gla.	17" ²²⁷	15'	"	"	"	60' - +
Picea mar.	1"	9'	"	"	"	5' - s
(c) Picea gl.	8" ⁵⁰	21'	"	"	"	29' - +
Abies bals.	1 1/2"	16'	"	"	"	9' - s
(d) Abies bals.	4" ¹³	6'	"	"	"	27' - +
Abies bals.	2"	10'	"	"	"	15' - s

Heavy little dead trachen + grass

Heavy trachen, light blue, no hazel

Ws, Pt, Ab, Wp, Bs

T.D. = 65'

Bals, Bs + Ws regen

Survey point #8

- (a) *Picea gla.* 5" ²⁰ 17' from point - height - 24' - +
Picea mar 2" ¹ 10' " " - " - 20' - S
- (b) *Populus trem.* 5" ²⁰ 13' " " - " - 35' - +
Abies bals. 2 1/2" ¹ 8' " " - " - 20' - S
- (c) *Pinus strobus* - 7" ³⁹ 8' " " - " - 25' - +
Abies bals. 1 1/2" ¹ 12' " " - " - 11' - S
- (d) *Abies bals.* - 6" ²⁸ 11' " " - " - 38' - +
Pop. trem. - 1 1/2" ¹ 13' " " - " - 16' - S

Heavy litter hacken + leaves

Heavy hacken + little blue, very little hazel

Pt, Ab, Ws, Bs, Wp, Rp.

Balsam + Bs + Ws regen

T.D. = 49'

DRAWING BY
 JACARANDA
 11/12/2001
 11/12/2001
 11/12/2001

Quadrat #5 - Survey pt. #9 - Stand 5 - Aug 18/54.

Pterid aq.
Cornus
Anaphalis
Lycop annot.
Habenaria amar.

Vacc august
Pop trem - seedling
Picea gl. - seedling

Coptis groen.
Lycop obscurum
Mellampyrum
Polystichum, Calcegon, Clad. rang.
Polygala pauc.

- a) Picea gl. - 12", ¹¹³ (29') from point - height - 45' - +
Abies bals. - 2", 35' " " " - 13' - s
- b) Abies bals. - 6" ²⁸ 18' " " " - 30' - +
Abies bals. - 1" 28' " " " - 9' - s
- c) Picea gl. - 11" ⁹⁵ 7' " " " - 30' - +
Picea mar. - 1 1/4", 13' " " " - 8' - s
- d) Abies bals. - 11" ⁹⁵ (30') " " " - 40' - +
Abies bals. - 1" 14' " " " - 7' - s

Light little dead bracken.

mod. heavy bracken, light blue, no hazel.

Ws, Ab, Wj, Pt, Bs

Balsam + Ws regem

T.D. = 84'

Survey point # 10

- (a) Abies bal. $4\frac{1}{2}$ " ¹⁶ 12' from point - height - 19' - +
Picea mar. 2" 11' " " - " - 13' - S
- (b) Abies bal. 4" ¹³ (27') " " - " - 28' - +
Abies bal. - 1" 22' " " - " - 8' - S
- (c) Pop. trem. - 7" ³⁹ (35') " " - " - 33' - +
Picea gl. 1" 42' " " - " - 6' - S
- (d) Pinus strobus 8" ⁵⁰ 15' " " - " - 30' - +
Picea gl. - 2" 50' " " - " - 7' - S

Very slight litter

mod. heavy trachea, heavy Mue., no hazel

Ws, Ab, Pt, Wp, Bs

Ws + balsam regen

T.D. = 89'

Quadrat # 6 - Survey point # 11 - Stand 5 Aug 18/57
 Pterid ag. Vase august - very heavy
 Heri aurant.

Grass sp.
 Carex sp.
 Cornus.

Lycop. clav.
 Polytichum junif.

Poplar grove

(a) Pop. trem.	8" ⁵⁰	(35)	from point -	height	58' - t
Abies bal.	1" /	12'	" " -	"	6' - s
(b) Picea gl.	5" ²⁰	(40)	" " -	"	20' - t.
Abies bal.	1" /	28'	" " -	"	6' - s
(c) Pop. trem.	4" ¹³	16'	" " -	"	27' - t.
Abies bal.	2" /	12'	" " -	"	13' - s
(d) Picea gl.	15" ¹⁷⁷	71'	" " -	"	50' - t.
Pop. trem.	2" /	9'	" " -	"	15' - s

Light litter.

Mod heavy drachen + blue, little hazel.
 Pt. Ws Bal. Wp.

Balsam niger

T.O. = 98'

Survey Pt # 12 Stand 5

Aug 20/54

- (a) *Pinus strobus* - 8" ⁵⁰, 13' from point - height - 28' +
Abies bals - 1 1/2", 19' " " - " 10' - S
- (b) *Populus trem.* - 7" ³⁹, 24' " " - " 45' - +
Abies bals - 1 3/4", 9' " " - " 9' - S
- (c) *Abies bals.* - 6" ²⁸, 12' " " - " 24' - +
Abies bals. - 1 1/2", 9' " " - " 8' - S
- (d) *Pop. trem.* - 5" ²⁰, 11' " " - " 40' - +.
Abies bals. - 1 1/2", 10' " " - " 11' - S

Very heavy litter dead bracken + grasses.

Very heavy bracken, light blue, little hazel.

Pt, Ab, Ws, Wp, Bs.

Balsam + Ws regen.

Poplar grove.

T.D. = 60'

Squadrat #7 - Survey pt. #13 - Stand #5 Aug 20.

Aster ag.
Cornus can - heavy carpet
Lysichiton

Corylus cornuta
White Birch seedling

Syrp. clavatum
Melampyrum lineare
Mentha borealis

- (a) Picea gl. - 4" ¹³ 14' from point - height - 13' - T.
Abies bals. - 2 1/2", 6' " " - " - 12' - S
- (b) Populus trem. - 7" ³⁹ 5' " " - " - 38' - T.
Abies bals. - 1", 3' " " - " - 8' - S
- (c) Abies bals. - 4" ¹³ 18' " " - " - 16' - T.
Pop. trem. - 2" 23' " " - " - 27' - S
- (d) Picea gl. - 12" ¹¹³ (31) " " - " - 38' - T.
Pop. trem. - 2 1/2", 25' " " - " - 20' - S

Heavy litter broken + leaves

Heavy broken, little blue, little hazel. heavy carpet common

Pt. Ws, Ab, Bs Wp

Balsam + Ws regen

T.D. = 68'

Survey Point # 14

- edge of clearing

(a) *Picea gl.* - 10" ⁷⁹ 87' from point - height - 32' - +
Abies bals. - 1" 27' " " - height - 8' - S

(b) *Picea gl.* - 14" ¹⁵⁴ 13' " " - " - 42' - + photograph
Abies bals. - 2 1/2" 36' " " - " - 15' - S

(c) *Picea gl.* - 12" ¹¹³ 13' " " - " - 40' - +
Picea gl. - 2" 28' " " - " - 10' - S

(d) *Pinus strob.* - 14" ¹⁵⁴ 24' " " - " - 38' - +
Abies bals. - 2" 19' " " - " - 14' - S

Heavy litter bracken + needles.

Heavy bracken, no blueberries, little hazel.

Ws, Pt, Wp, Ab,

Ws + balsam reger.

T.D. = 137'

Quadrat #8 - Survey pt #15
 Pterid. ag.
 Cornus.
 Maianthemum
 Desmodium illinoense
 Liriodendron
 Corylus sp.
 Lycop. obscur.
 Thalictrum

Stand #5 - Aug 20/54
 Vacc. angust.
 Corylus cornuta
 Abies bals. seedling
 Sambucus pubens

- (a) Picea gl. - 4" ¹³ 16' from point - height - 15' - T.
 Picea mar. - 1" 15' " " - 7' - S
 (b) Abies bals. - 9" ⁶⁴ 6' " " - 28' - T
 Abies bals. - 1" 19' " " - 8' - S
 (c) Pinus strob. - 9" ⁶⁴ 17' " " - 35' - T.
 Abies bals. - 1 1/2" 16' " " - 10' - S
 (d) Pop Trem. - 18" ⁵⁰ 5' " " - 45' - T
 Abies bals. - 1" 6' " " - 11' - S

mod. litter grass + Maden.

Consid Maden, heavy hazel, some blue.

H, Ws, Wp, Ab, Bs

Balsam Ws, Bs regen

T.D. = 44'

Survey Pt #16

(a) Picea gl.	14"	¹⁵⁴ 13'	from point	-	height	52' - t.
Picea gl.	1"	16'	"	"	"	8' - s
(b) Picea mar.	4"	¹³ 9'	"	"	"	151' - t.
Pop. trem.	3"	4'	"	"	"	18' - s
(c) Picea gl.	12"	¹¹³ 15'	"	"	"	42' - t.
Abies bals.	1"	7'	"	"	"	8' - s
(d) Betula pap.	6"	²⁸ 17'	"	"	"	45' - t.
Picea gl.	1"	18'	"	"	"	6' - s

Mod. litter broken + leaves.

Heavy hickory, some blue, some hazel.

Pt, Ws, Wp, Ab, Wb, Rp

T.D. = 54'

Quadrat #9 - Survey Pt #17 - Stand #5 - Aug 20/54

Sterid ag.

Cornus

Maianthemum

Grass spp.

Mentalis

Polytrichum junip

(a) Pinus strob. - 13" ¹³³ 16' from point - height - 35' - t.
Pop. trem. - 2 1/2" 19' " " - " 26' - s

(b) Pinus strob. - 10" ⁷⁹ (34) " " - " 30' - t
Abies bals. - 2" 10' " " - " 11' - s

(c) Picea gl. - 15" ¹⁷⁷ 14' " " - " 50' - t
Pop. trem. - 3" 9' " " - " 30' - s

(d) Pop. trem. - 5" ²⁰ 28' " " - " 28' - t.
Abies bals. - 2" 15' " " - " 12' - s

mod. little bracken - leaves.

Very heavy bracken, no blueberry, little hazel

Wp, Pt, Ws, Ab, Bs

Balsam W.B. spruce regen. T.O. = 92'

Survey point # 18

(a) Picea gl.	- 11 1/2"	¹⁰⁴	10'	from point	- height - 38' - T
Picea mar.	- 2"		27'	" "	- " - 13' - S
(b) Pinus strobus	9 1/2"	⁷⁰	22'	" "	- " - 30' - T
Abies bals.	1 1/4"		9'	" "	- " - 8' - S
(c) Picea gl.	- 8"	⁵⁰	26'	" "	- " - 33' - T
Picea mar.	- 1"		7'	" "	- " - 6' - S
(d) Abies bals.	- 6"	²⁸	20'	" "	- " - 32' - T
Picea mar.	- 2 1/2"		22'	" "	- " - 15' - S

Light little grass

Light bracken, few blue, no hazel

Ws, Bs, Pt, Ab., Wp.

Bs, Ws, Ab. regen. - considerable

T.D. = 78'

Quadrat #10 - Survey point #19 - Stand 5 - Aug 20/84

Pterid ag.

Vacc. angust

Cornus canad

Abies lat. seedling

Brass spp.

Polygala pauc.

Polytrichum junip

Melan. pyrum

Calcegon

Maranthemum

- (a) Pinus strob. - 11" ⁹⁵ 18' from point - height 34' - +
Abies bals. - 2 1/2" 7' " " - " 13' - S
- (b) Picea gl. - 7" ³⁹ 8' " " - " 28' - +
Picea gl. - 1" 11' " " - " 7' - S
- (c) Pinus strob. - 10" ⁷⁹ 25' " " - " 20' - +
Abies bals. - 3" 21' " " - " 16' - S
- (d) Pop trem - 4 1/2" ¹⁶ 11' " " - " 25' - +
Picea mar. - 1" 6' " " - " 6' - S

Light litter grasses + bracken.

Consid bracken, little blue, little hazel

Ws, Bs, Pt, Wp, Ab, Wb

Bs, Ws, Ab regen.

T.D. = 6.2'

Survey pt. #20.

(a) *Betula pap.* 8" ⁵⁰ 6' from point - height - 40' - t
Picea mar. 1 1/2" 4' " " - " 10' - s

(b) *Pop. trem.* 5" ²⁰ 6' " " - " 36' - t,
Picea mar. 1" 9' " " - " 7' - s

(c) *Picea glauca* - 5 1/2" ²⁴ 6' " " - " 30' - t
Abies bal. 1" 21' " " - " 6' - s

(d) *Abies bal.* - 3" 7 19' " " - " 17' - t
Abies bal. - 1" 13' " " - " 7' - s

mod. heavy litter leaves, grasses, bracken
 Light bracken, + Aralia, little blue, some hazel.

Ws, Pt, Wp, Bs, Ab. Wb.

Bs + Ab regen

T.D. = 37'

Quadrat #11 - Survey pt #21 - Stand 5 - Aug 20/54
 Stand ag.
 Cornus
 Aster macro
 Brass sp.
 Vacc. august.
 Betula pap - seedling.

Sycop. clav.
 Cladonia gracilis
 Cladonia rang.
 Polygala pauc.
 Scuttheria pro.
 Polytachium pinn.
 Desmodia lobicea
 Macanthemum
 Calcegon.
 Menhals
 Melampyrum.
 Arolia nud.

(a) Picea gl. - 8" ⁵⁰ - 9' from point - height 31' - t
 Abies bals. - 1" - 30' " " - " 7' - s
 (b) Picea mar. - 5" ²⁰ - 2' " " - " 30' - t
 Picea gl. - 2" - 10' " " - " 12' - s
 (c) Abies bals. - 7" ³⁹ - 10' " " - " 40' - t
 Picea mar. - 1" - 26' " " - " 8' - s
 (d) Abies bals. - 7" ³⁹ - 18' " " - " 35' - t.
 Picea gl. - 1 1/2" - 17' " " - " 10' - s

Light litter bracken + grass
 Heavy bracken, little blue, Some hazel.
 Ws, Ab, Wp, Bs, Wb, Pt.
 Bs + bals. regen
 T.D. = 39'

- Survey pt #22 - toward spruce swamp edge of Bot L.
- (a) Picea mar. - 8" ⁵⁰ 14' from point - height 50' - t
 Abies bals. - 2" 13' " " - " 17' - s
- (b) Picea mar. - 6" ²⁸ 6' " " - " 30' - t
 Abies bals. - 1" 12' " " - " 7' - s
- (c) Picea mar. - 10" ⁸⁰ 7' " " - " 50' - t
 Picea mar. - 1" 6' " " - " 7' - s
- (d) Picea mar. - 8" ⁵⁰ 16' " " - " 29' - t
 Abies bals. - 2" 16' " " - " 12' - s

Light litter tracken + grasses.

Fairly heavy tracken, light blue, little hazel.

Bs, Wp, Ab.

Bs + balsam regen

Good mixture of Bs + Rp in slope - to lake edge.
 150 yds

T.D. = 43'

Quadrat # 12 - Survey Pt. # 23 - Stand 5 - Aug 20/84
 Compass line - due W. from previous N-S line at survey point # 13

- Pterid ag.
- Comus.
- Grass spp.
- Carex sp.
- Solidago. can.
- Cladonia rang.
- Melan. pyrum
- Polytrichum junip.
- Hepacum scabrum.

clearing edge.

(a) Abies balsamea - 7" ³⁹ 8' from point - height - 33' +.					
Picea mar.	1 1/2"	28'	"	"	10' S
(b) Abies bals. 9" ⁶⁴ 9' " " - " 35' +.					
Abies bals.	1"	26'	"	"	6' S
(c) Pinus resinosa - 19" ²⁸³ (42') " " - " 50' +					
Picea mar.	1"	28'	"	"	6' S.
(d) Picea gl. - 15" ¹⁷⁷ (36') " " - " 49' +.					
Picea mar.	2 1/2"	18'	"	"	13' S

Light litter bracken + grasses
 Consol. bracken, some blue, very little hazel.

Ws, Pb, Wp, ^{Bs}Pt, Wb, Rp
 Bs, Ws, Bal, Rp regen

T.D = 95'

Survey Pt # 24

- (a) Abies bal. - 8" ⁵⁰ 24' from point, - height - 30' - +
 Picea mar - 1 1/4" 9' " " " - 8' - S
- (b) Pinus strob. 13" ¹³³ (32) " " " - 35' - +
 Abies bal. 2" 27' " " " - 20' - S
- (c) Picea gl. - 14" ¹⁵⁴ 9' " " " - 50' - +
 Abies bal. - 1" 17' " " " - 6' - S
- (d) Picea mar. - 11" ⁹⁵ 12' " " " - 45' - +
 Picea mar - 2 1/2" 20' " " " - 18' - S

Light little bracken

Heavy bracken, little blue + hazel.

Ws, Bs, Wp, Ab., Pt

Bs, Ws + Bal regen

T.D. = 77'

Square # 13 - Survey Pt # 25 - Stand # 5 - Aug 20/54

Stend ag.

Cornus.

Heracium amat.

Lycop. obscurum

Lycop. clavatum var. meg.

Polytrich. junif.

Isares

Clad. rang.

Clad. grac.

Polygala pauc.

Mertalis

Vacc. ang.

Corylus cornuta

Picea gl - cot.

(a) Picea gl; 13" ¹³³ - 26' from pt - height - 32' - t.
Abies bal; 1" - 14' " " - " - 6' - s

(b) Abies bal 8" ⁵⁰ - 9' " " - " - 36' - t
Abies bal. 1 1/2" - 19' " " - " - 13' - s

(c) Picea gl - 18" ¹⁷⁷ - 12' " " - " - 45' - t
Picea mar - 1 1/4" - 3' " " - " - 8' - s

(d) Abies bal. - 4 1/2" ¹⁶ - 10' " " - " - 30' - t
Abies bal - 1" - 11' " " - " - 6' - s

mod. litter tracken, & dead wood.

Heavy tracken, little blue some hazel.

Ws, Ab, Bs, Wp, Wb Pt. T.O. = 67'

Bal + Bs regen

Survey Pt. # 26.

Ground is not many but typical dry pine

- (a) *Picea mar.* - 12" ¹¹³ 10' from pt. - height. - 50' - +.
Picea mar. - 2 1/2" 6' " " - " - 15' - S
- (b) *Picea gl.* - 11" ⁹⁵ 13' " " - " - 42' - +.
Picea mar. - 1" 23' " " - " - 9' - S
- (c) *Picea mar.* - 6" ²⁸ 10' " " - " - 35' - +.
Abies bal. - 2 1/2" 7' " " - " - 14' - +.
- (d) *Betula pop.* - 13" ¹³³ 9' " " - " - 48' - +.
Picea mar. - 1" 7' " " - " - 7' - S

Heavy litter bracken + grass.

Very heavy bracken, some anahia, no blue, little mycel.

Bs, Ws, Ab, Wp, Wb

Black spruce + bal. regen.

Marrowing slope to Bat L.

T.D. = 42'

Square # 14. Survey Pt. 27 - Stand 5 Aug 24/54

Passing N.W. from survey pt # 6

sterid ag.

grass sp.

Hieracium aurant.

Polytrichum junip.

Cornus can

Melanopyrum

Maianthemum

Lycop. obscurum.

Vacc. myrt - heavy
Vacc. angust.

(a) Picea gl. - 12" ¹¹³ 17' from point - height - 35' - +

Pop. trem. - 2 3/4" 8' " " - 19' - S

(b) Picea gl. - 13" ¹³³ 15' " " - 38' - +

Picea mar. - 2" 12' " " - 9' - S

(c) Picea gl. - 12" ¹¹³ 25' " " - 38' - +

Pop trem - 2" 20' " " - 17' - S

(d) Pinus strob - 13" ¹³³ 40' " " - 29' - +

Picea mar - 2 1/2" 36' " " - 14' - S

mod. litter leaves + grass

mod bracken, heavy blue, little hazel.

Ws, Pt, Wp, Bs ^{Ab}, Rp

W+B spruce + bal regen.

T.D. = 97'

Survey Pt # 28

clearing edge.					
(a) <i>Pinus strobus</i>	- 14" ¹⁵⁴	30'	from point	-	height - 33' - +
<i>Abies bals.</i>	- 2 1/2"	22'	" "	-	" - 20' - S
(b) <i>Abies bals.</i>	- 5" ²⁰	20'	" "	-	" - 22' - +
<i>Picea gl.</i>	- 1"	24'	" "	-	" - 6' - S
(c) <i>Picea mar.</i>	13" ¹³³	51'	" "	-	" - 45' - +
<i>Abies bals.</i>	2 1/2"	45'	" "	-	" - 17' - S
(d) <i>Picea gl.</i>	12" ¹¹³	65'	" "	-	" - 40' - +
<i>Picea gl.</i>	2"	40'	" "	-	" - 8' - S

Light litter, dead bracken.

Heavy bracken, very little blue, no hazel

Ws, Wp, Ab, Bs, Pt

Ws & Ab regen.

T.D. = 166'

quad. 15 - Survey Pt 29 - Stand 5 - Aug 24/54

Pterid ag
Hieracium amant

Vacc. angust

Cornus can
Cladon. rang.
Solidago can.
Lycop annot.
Clad. granulis
Clad. cornuta

- (a) Abies bal. 6" ²⁸ 31' from point - height - 20' - t.
Picea gl. 1" 40' " " - " - 7' - s
- (b) Picea gl. - 7" ³⁹ 12' " " - " - 20' - t
Picea mar. 2" 38' " " - " - 12' - s
- (c) Pinus strob 8" ⁵⁰ 45' " " - " - 25' - t
Picea gl. 1" 43' " " - " - 5' - s
- (d) Pinus stro 12" ¹¹³ 28' " " - " - 38' - t
Picea mar 1 1/2" 30' " " - " - 12' - s

Light litter dead bracken

Mod. bracken, heavy blue, little hazel.

Hs, Ws, Bs, Wp, Pt, Wb

Ws regem

T.D. = 116'

Survey Pt 30

(a) Picea gl. 13" ¹³³ 24' from pt. - height - 50' - T.
Picea gl. 1" 22' " " - " 7' - S

(b) Abies bal. - 4" ¹³ 33' " " - " 20' - T
Abies bal. 1 3/4" 15' " " - " 11' - S

(c) Abies bal. - 8 1/2" ⁵⁶ 12' " " - " 50' - T
Pop. trem. - 2 3/4" 13' " " - " 35' - S

- poplar grove starts at (d) corner - small.
(d) Pop. trem. - 10" ⁷⁹ 18' " " - " 52' - T
Pop. trem. 1" 16' " " - " 13' - S

mod. litter tracken, leaves + grass.

Fairly heavy tracken, some blue, some hazel.

Ws, Ab, WP, Pt, Bs, Wb.

Ws + Ab regen.

T.D. = 87'

Quadrat 16 Survey Pt. 31 - Stand 5 Aug 24/54
Corylus cornuta - shrub

Pteris aq.
Syring. ammot.
Comus ran
Troutalis bor.
Junonia borealis
Viola sp.
Caheragon drach
Tran. sp.
Aralia nud.

- (a) *Pinus strob.* - 12" ¹¹³ 19' from pt. - height - 35' +
Picea gl. - 2" 29' " " - " 14' S
- (b) *Pinus strob.* - 13" ¹³³ 16' " " - " 37' +
Abies bal. - 1" 25' " " - " 11' - S
- (c) *Abies bal.* - 3 1/2" ⁹ 5' " " - " 20' +
Abies bal. - 1" 32' " " - " 7' - S
- (d) *Abies bal.* - 9" ⁶⁴ 23' " " - " 35' +
Abies bal. - 1" 53' " " - " 6' - S

Heavy litter broken, needles + leaves.

Consid broken, no blue consid hazel.

Ab, Wp, Pt, Ws, Bs Wb.

Very little bal. regen.

T.D. = 63'

Survey Pt # 32

- (a) *Picea gl.* $17\frac{1}{2}"$ ²⁴⁰ 9' from pt. - height - 55' +
Picea gl. 1" 28' " " - " - 6' 5'
- (b) *Abies bal.* $8\frac{1}{2}"$ ⁵⁶ 18' " " - " - 40' +
Abies bal. 2" 57' " " - " - 12' - 5
- (c) *Betula papy.* $14\frac{1}{2}"$ ¹⁶⁴ 6' " " - " - 50' +
Abies bal. 1" 8' " " - " - 7' - 5
- (d) *Abies bals.* 6" ²⁸ 9' " " - " - 35' +
Abies bal. 2" 24' " " - " - 17' - 5

Heavy little dead bracken. + leaves.

Heavy hazel, some blue, some hazel.

Ab, Ws, Wp, Wb. Pt.

Bal + Ws regen.

T.D. = 42'

Squadrat # 17 Survey Pt # 33 - Stand 5 Aug 24 / 57
Pterid aq.
Cornus
Heracium aur.
Mentalis
Grass sp. - thick carpet.
Solidago can.
Polygala pauc.

Abies bals. seed.

- (a) Abies bals. - 7" ³⁹ (24') from point - height - 33' - +
Abies bals. - 1" 28' " " - " - 5' - S
- (b) Abies bals. 8" ⁵⁰ (33') " " - " - 42' - +
Picea gl. 1" 18' " " - " - 6' - S
- (c) Pinus strob. - 10" ⁷⁹ (44') " " - " - 35' - +
Picea gl. 2" 36' " " - " - 11' - S
- (d) Pinus strob. - 11" ⁹⁵ 13' " " - " - 30' - +
Abies bals. 1" 14' " " - " - 7' - S

Heavy little grass - bracken.

Heavy bracken, no blue, some hazel.

Ab, Wp, Ws Pt Bs.

Bals. & Ws regn.

T.D. = 114'

Survey Pt # 34.

- (a) Pop. trem. - 8" ^{50.} - 16' from front - height - 40' +.
Abies bal. 1" - 14' " " - " - 8' s.
- (b) Pinus strob. 13" ¹³³ - 38' " " - " - 35' +
Abies bal. 2" - 18' " " - " - 13' s
- (c) Abies bal. 4 1/2" ¹⁶ - 19' " " - " - 28' +.
Abies bal. 1" - 30' " " - " - 10' - s
- (d) Abies bal. 4" ¹³ - 14' " " - " - 25' +.
Abies bal. 2" - 38' " " - " - 11' - s

Light litter grass & bracken.

Mod bracken, few blue, little hazel.

Ab, Pt, Wp, Ws

Ws + Ab regn

T.D. = 87'

Quadrat # 18 - Survey Pt 35 - Stand 5 - Aug 24
 Plend ag.
 Cornus
 Conylus cornuta - seedling

Anas sp - heavy
 maranthemum
 Polygala paucifolia
 Lycop annot.
 Aralia nud.
 Viola sp.

- (a) Picea mar. 3" ⁷ 9' from point - height 22' - +
 Abies bal. 1" 12' " " - " 10' - S
- (b) Abies bal. 7" ³⁹ 26' " " - " 30' - +
 Abies bal. 1" 24' " " - " 6' - S
- (c) Betula pap. 14" ¹⁵⁴ 18' " " - " 45' - +
 Abies bal. 2" 15' " " - " 14' - S
- (d) Abies bal. 7" ³⁹ 24' " " - " 35' - +
 Abies bal. 2" 26' " " - " 16' - S

mod. litter grass & bracken.

Heavy bracken, little blue, some hazel

Ab, Wp, Ws, Bs, Wb, Pt.

Ws & bal. regn.

T.D. = 77'



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

WHEN REPLYING KINDLY QUOTE

THIS FILE NUMBER

Survey Pt 36.

- (a) *Abies bals.* - 10" ⁸⁰ 24' from point - height - 40' +
Picea gl. - 1" 8' " " - " - 6' S
- (b) *Picea mar.* - 9" ⁶⁴ 32' " " - " - 40' +
Picea gl. - 1" 35' " " - " - 12' - S
- (c) *Abies bals.* - 8" ⁵⁰ 10' " " - " - 40' +
Abies bals. - 2" 25' " " - " - 11' - S
- (d) *Picea glauca.* 9" ⁶⁴ 23' " " - " - 38' +
Picea glauca. 1" 21' " " - " - 7' - S

Mod. heavy litter grass & bracken.

Very heavy bracken, little blue. Some hazel.

Ws, Ab, Pt, Bs, Wp, Wb.

W + Bs + Ab regen T.D. = 89'

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Quadrat # 19 - Survey point 37 - Stand 5 - Aug 24/54

Pterid ag.

Cornus can.

Lycop annot.

Malonthemum

brass spp

Her. aurant.

Clad. rang.

Lycop. obscurum

Querc. alba

Lycop. tristachyum

Lycop. clavatum

Vacc myrt.

Vacc angust.

W.p. seedling

Viburnum cassinoides

(a) Picea mar 10" ⁸⁰, 14' from point - height 39' - +
Abies bals. 1 1/2", 23' " " - " 13' - S

(b) Abies bals 4" ¹³ 32' " " - " 30' - +
Abies bals. 1 1/2", 33' " " - " 13' - S

(c) Abies bals. 6" ²⁸ 18' " " - " 32' - +
Abies bals. 1" ¹ 8' " " - " 8' - S

(d) Picea gl. 6" ²⁸ 21' " " - " 25' - +
Abies bals. 1" ¹ 16' " " - " 10' - S

Heavy litter tracher + dead wood
Heavy tracher + blue, Some hazel.

Ws, Ab, Wp, Pt, Wb, Bs.

Balsam + Ws regen.

T.D. = 85'



DEPARTMENT OF LANDS AND FORESTS

Sunny Pt 38

- (a) Abies bals. 4" ¹³ 12' from point - height - 27' - +
Picea gl. 1" 22' " " - " - 7' - s.
- (b) Picea gl. 12" ¹¹³ 37' " " - " - 40' - +
Picea mar 2 1/2" 15' " " - " - 13' - s
- (c) Pinus strob. 13" ¹³³ 14' " " - " - 32' - +
Picea gl 1" 22' " " - " - 7' - s
- (d) Abies bal. 6" ²⁸ 13' " " - " - 35' - +
Abies bal. 2" 18' " " - " - 16' - s

Light litter bracken & grass

Fairly heavy bracken, some blue, little hazel

Ab, Ws, Wp, Bs Pt.

Ws & Ab. regen.

T.D. = 76'

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Squadrat # 20 - Survey Pt 39 - Stand 5 - Aug 24/84

Pterid aq.

Comus

Sycop. Clavatum

Eruc. sp.

Melampyrum

Polytrichum junip.

Maianthemum

Vacc. angust
Corylus seedling

(a) Picea gl - 14" ¹⁵⁴ 16' from point - height 50' - +
Picea mar. 2" 11' " " " 12' - S

(b) Pinus strobus - 13" ¹³³ 14' " " " 33' - +
Picea mar. 1" 12' " " " 5' - S

(c) Picea mar. - 7" ³⁹ 8' " " " 40' - +
Picea mar. - 1" 4' " " " 7' - S

(d) Picea mar. - 10" ⁸⁰ 14' " " " 48' - +
Picea mar. - 1" 16' " " " 8' - S

mod. little grass + bracken.

mod Bracken, little blue, some hazel.

Ws, Bs, Wp, Ab. Pt.

Bs & Ab regen

T.D. = 52'



ONTARIO

WHEN REPLYING KINDLY QUOTE

THIS FILE NUMBER

DEPARTMENT OF LANDS AND FORESTS

Survey Pt # 40.

(a) Abies bal. 6" ²⁹ - 14' from point - height - 30' - +
Picea mar 1" - 16' " " " - 8' - S

(b) Abies bal. 6" ²⁸ - 13' " " " - 27' - +.
Picea mar 2" 26' " " " - 12' - S

(c) Pinus strob. - 14" ¹⁵⁴ 22' " " " - 35' - +.
Picea mar - 1" 13' " " " - 5' - S

(d) Abies bal. - 8" ⁵⁰ 33' " " " - 35' - +
Picea mar - 1" 6' " " " - 9' - S

mod. litter bracken,

Heavy bracken, little blue, + hazel.

Ab, Bs, Wp Ws

Bs + balsam regen

T.D. = 82'

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