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STAND RECORD

FORESTS

ROCKY ISLAND

Stand No. 9

3181 ✓

Name: ROCKY ISLAND

Locality: MIDDLE WEST

County: ASHLAND

T:

R:

Sec:

Date: 7/4/56

Observers: GRANT COTTAM & DICK YOGEL

Size of Stand 2

Size of Area Sampled:

Forest Type: CEDAR & YELLOW BIRCH

Soil Type:

Topography: LEVEL

Slope:

Directions

Condition of Stand: HAD BEEN CUT, TAXUS PRESENT THROUGHOUT, BUT DEAD.

Open Crown Trees:

 LIGHT 50 LOW SCALE
 % Canopy: LIGHT 60 LOW SCALE

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									

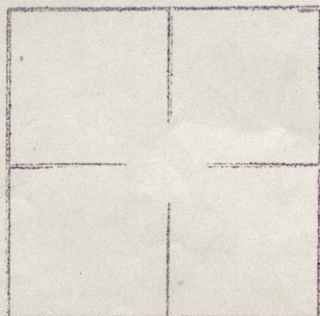
DEPTH

CHARACTERISTICS (Color, Texture, Structure, etc.)

A ₀	1"								
A ₁	2"	BLACK - SILT							
A ₂	3"	GRAY SAND							
B	6"	GRAY & RED MOTTLED SAND							
									TOTAL PROFILE 6"-12"

Parent Material:

Map:



Northern Pine-Hardwoods

Station Number: 3181

2262

DOM. / ACRE :

Ave. Sep. Dist. 18.1

99.7

133.0

/ACRE: 18095.6
125.549 ft.

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 9

STATION NO.	1	2	3	4	5	6	7	8	9	10										
Abies balsam	1	2	45	19	95	2	1	95	30	2										
Acer. rubrum	18	55							160											
A. sacchar.	55 130 180	17																		
A. spicatum				✓		✓		✓		✓										
Betula. lut.	✓ 1	1		✓	80 17	70 200	60	180	✓	230										
B. papyrif		60	1																	
Carpinus car																				
Fagus gran																				
Ostrya virg																				
Picea glau																				
Pinus Bank																				
P. resinosa																				
P. Strobus						310														
Populus bals																				
P. grand																				
P. trem																				
Prunus pen.																				
Quercus ell																				
Q. rubra								220												
Tilia amer																				
Tsuga can																				
Thuja occ		140	40 40	14 3	30	45	90 25	210 3	60 2	42 15										
Ulmus amer										60 95 100										
U. fulva																				
SAP.	15 25	16 24	17 15	80 51	12.5 11	23 27	11.5 17	24 18	8 7.5	12 16	5.5 9.5	9 17	24 29	8 16	11 16	13 14	2.5 2	7 12	9.5 22	13 4
Distance	6 10	26 20	18 33	11 16	11 23	13 7.5	7 13	20 10	3.5 18	9 14	6 13	20 22	9 9	9 11	10.5 10.5	12.5 26	5 8	10.5 24	10 17	10 12

6/5

3/3

4/2

7/5

1/1

Y1

Y1

17/9

Stand No. 9 -10-20

[illegible]

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 9

STATION NO.	21	22	23	24	25	26	27	28	29	30
Abies balsam	85	3	18 35	4	2	16 12	1	35	1	
Acer rubrum				170						150
A. sacchar.		290	1		1	200	230		1	50
A. spicatum	✓				✓					3
Betula lutea	320	120 290		180 280	170	19	16 15	260 70	25 4	90 1
B. papyrif					30	1	26		28	
Carpinus car										
Fagus gran										
Ostrya virg	45 45	100 1	60 16	35	60 50			55		
Picea glau										
Pinus Bank										
P. resinosa										
P. Strobus										
Populus bals										
P. grand										
P. trem										
Prunus pen.										
Quercus ell										
Q. rubra									400 60	
Tilia amer										86
Tsuga can										
Thuja occ									1	
Ulmus amer										
U. fulva										
	14	28	19	23	26	2	13	3	51	5
	29	65	46	34	31	18	14.5	24	3.5	57
	10	30	16	29	19	16	22	27	17	19.5
Distance	14	24	29	11	16	2.5	2.5	54	16	6

6/4

3/2

4/4

13/9

3/3

9/4

2/1

1/1

POINT RECORD TREES

NORTHERN PINE-HARDWOODS

Stand No. 9

STATION NO.	31	32	33	34	35	36	37	38	39	40	
Abies balsam	65		3	21 1420	1	50	25			70 65	2
Acer rubrum			190 190					170	135		
A. sacchar.	130	1		1	80	50					
A. spicatum				✓		✓		✓			
Betula lut.		120	280		400 270	280 230		✓ 500	200		
B. papyrif	25						90		27 15	40	2
Carpinus car											
Fagus gran											
Ostrya virg	130	60	16								
Picea glau											
Pinus Bank											
P. resinosa											
P. Strobus											
Populus bals											
P. grand											
P. trem											
Prunus pen.											
Quercus ell											
Q. rubra										27	
Tilia amer											
Tsuga can											
Thuja occ		35		16	80		19	16			
	3	17	1		3	3	4	21	4	3	4
Ulmus amer											
U. fulva											
	16	16	7.5	16	3.5	37	4.5	14	11.5	9	4
	8.5	26	22	30	4	36	11.5	16	20	32	15
	16	13	8.5	18	16	20	15	8.5	14	12	11
Distance	17	5.5	22	15	25	3	12	5.5	14	4	11

8/5

4/4

3/3

8/6

5/4

3/3

Y1

7/5

T

H

M

L

O

TO

57

TAX

AB

||||

|||||

99

AS

CC

||||

4

64

62

26

8

STAND 3181

BROWSE CONDITION By SPECIES %

SPECIES

	T	H	M	L	O	TOTAL
TO	98.2	1.8				100.0
TAX						
AB	4.0	61.6	26.3	8.1		100.0
AS						
CC	100.0					100.0

% EACH SPECIES CONTRIBUTES TO EACH BROWSE CATEGORY

	TO	TAX	AB	AS	CC	TOTAL
T	87.5		6.3		6.3	100.1
H	1.6		98.4			100.0
M			100.0			100.0
L			100.0			100.0
O						

% EACH CATEGORY CONTRIBUTES TO TOTAL BROWSE = CATEGORY TOTAL/160

T	H	M	L	O	TOTAL
40.0	38.8	16.3	5.0		100.1

% BROWSE SPECIES

TO	TAX	AB	AS	CC	TOTAL
35.6		61.9		2.5	100.0

STAND, 3181

517.

489.

584.5

880

PT#	SP	DIS.	CON.	SP	DIS.	CON.	SP	DIS.	CON.	SP	DIS.	CON.	COMMENTS
1.	AB	38	M	AB	9.5	M	AB	21	T	AB	66	H	ALL BROUSE GONE, TOTALLY
2.	TO	15	T	AB	2	H	CC	17	T	AB	17	M	EXCEPT ABIES B.
3.	TO	6	T	TO	7.5	T	TO	5.5	H	AB	27	M	DAMAGE FROM BROUSE IS
4.	AB	25	H	CC	14	T	AB	18	H	AB	8	H	HEAVY OR TOTAL
5.	AB	33	H	AB	33	H	AB	21	H	AB	24	H	TAXUS GONE EVERYWHERE
6.	TO	5.5	T	TO	9.5	T	TO	8	T	AB	17	H	FROM OVER BROUSE
7.	TO	4.5	T	TO	26	T	TO	18	T	TO	20	T	
8.	TO	13	T	TO	13	T	AB	12	T	TO	19	T	" "
9.	TO	2.5	T	TO	2	T	TO	7	T	TO	5	T	
10.	AB	4	H	TO	5.5	T	AB	7	H	TO	8	T	
11.	AB	2	H	AB	5.5	H	AB	6	H	AB	8.5	M	" "
12.	TO	2	T	TO	8	T	AB	15	T	TO	5	T	
13.	AB	5	H	AB	8	H	TO	7	T	TO	8.5	T	
14.	TO	6	T	AB	2	H	AB	8.5	H	TO	10	T	
15.	AB	25	T	TO	5	T	TO	8	T	TO	16	T	
16.	AB	23	M	AB	19	H	AB	17	H	AB	32	M	
17.	AB	10.5	H	AB	8.5	H	AB	8	H	AB	14	H	
18.	CC	8	T	AB	10.5	M	AB	30	H	AB	18	H	
19.	AB	8.5	M	AB	28	M	AB	34	L	AB	31	M	
20.	AB	16	H	AB	36	M	AB	24	M	AB	6	H	
21.	AB	21	H	AB	25	H	AB	26	M	AB	39	L	
22.	AB	46	H	AB	7.5	H	AB	38	M	AB	10	H	
23.	AB	11	H	AB	6	H	AB	27	M	AB	20	M	
24.	AB	2	H	AB	6	H	AB	4.5	H	AB	45	H	TAXUS IS ALL BROUSED
25.	AB	1	H	AB	4	H	AB	13	H	AB	13.5	H	
26.	AB	11	H	AB	19	M	AB	19.5	M	AB	22	H	
27.	AB	12	H	AB	16	M	AB	16	L	AB	19	H	"
28.	AB	16	H	AB	17	H	AB	17	H	AB	56	H	
29.	TO	55	T	AB	27	H	AB	26.5	M	AB	65	H	
30.	AB	49	H	TO	34	T	AB	18	H	AB	38	H	
31.	TO	12	T	TO	8	T	AB	10	H	CC	24	T	
32.	TO	8.5	T	TO	16	T	TO	22	T	AB	48	M	
33.	AB	4	H	AB	4	M	AB	13.5	L	AB	37	M	
34.	TO	2	T	TO	6	T	TO	8.5	T	AB	13.5	L	"
35.	TO	2.5	T	TO	3	T	TO	2	T	TO	5	T	
36.	TO	4	T	TO	4.5	T	TO	8	T	TO	11.5	T	
37.	TO	4.5	T	TO	5.5	T	TO	6	T	TO	9.5	T	EVERYTHING HAS BEEN
38.	TO	1	T	TO	2	T	TO	7	T	AB	11	L	COMPLETELY BROUSED
39.	TO	7.5	T	TO	19	T	AB	7	H	AB	17	L	EXCEPT ABIES B.
40.	AB	17	L	AB	7	H	AB	9	M	AB	17	M	SMALL ABIES HEAVILY DAMAGED

AL *alnus incosa*
TAX. *Taxus can.*

2470.5

Ave. dist. 15.44
Browse per acre 182.7

HERB FREQUENCY

NORTHERN PINE-HARDWOODS

MIDDLE WEST - ROCKY ISLE
Stand No.
Quadrat No. 9

Actaea pachypoda	Fragaria virginiana	Potentilla simplex
Actaea rubra	Galium lanceolatum	Prenanthes alba
Adiantum pedatum	Galium triflorum	Pteridium aquilinum
Allium tricoccum	Gaultheria procumbens	Pyrola elliptica
Anemone quinquefolia	Gaylussacia baccata	Pyrola rotundifolia
Aquilegia canadensis	Geranium maculatum	Pyrola secunda
Aralia nudicaulis	Geum canadense	Ranunculus recurvatus
Aralia racemosa	Gnaphalium obtusifolium	Rhus radicans
Arisaema atrorubens	Helianthemum sp.	Ribes americanum
Aster macrophyllus	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
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	Lycopodium obscurum	Solidago ulmifolia
Coptis trifolia	Lysimachia quadrifolia	Streptopus roseus
Corallorrhiza maculata	Maianthemum canadense	35, 5, 3 Taxus canadensis 15
Cornus alternifolia	Mitchella repens	Thalictrum dioicum
Cornus canadensis	Mitella diphylla	1 Trientalis borealis 5
Cornus rugosa	Mitella nuda	Trillium grandiflorum
Corylus americana	Monotropa uniflora	Uvularia grandiflora
31 Corylus cornuta 5	Myrica asplenifolia	Uvularia sessilifolia
Cypripedium acaule	Onoclea sensibilis	Vaccinium angustifolium
Diervilla lonicera	Oryzopsis asperifolia	Vaccinium pennsylvanicum
Dirca palustris	Osmorhiza claytoni	Viburnum acerifolium
Dryopteris linnaeana	Oxalis montana	Viola canadensis
Dryopteris phegopteris	Phryma leptostachya	Viola cucullata
3 Dryopteris spinulosa 5	Polygala pauciflora	Viola pallens
Epifagus virginiana	Polygonatum commutatum	Viola pubescens
Epigaea repens	Polygonatum pubescens	Waldsteinia fragarioides

28, 17, 9 GRASS 594 15

PRESENCE LIST

NORTHERN PINE-HARDWOODS

STAND NO.

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

Fraxinus pennsylvanica
 Juglans cinerea
 Larix laricina
 Y *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
 X *Quercus rubra*
 Sorbus decora
 X *Thuja occidentalis*
 X *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 pensylvanica
Caulophyllum thalictroides
Celastrus scandens
Chimaphila umbellata
Chiogenes hispidula

Circaea alpina
Circaea latifolia
Claytonia caroliniana
Claytonia virginiana
Clintonia borealis
Convolvulus spithameus
Coptis trifolia
 X *Corallorrhiza maculata*
 Corallorrhiza striata
 Cornus alternifolia
 Cornus canadensis
 Cornus femina
 Cornus rugosa
 Corylus americana
 X *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
 X *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
 X *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

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
 X Streptopus roseus
 X Taxus canadensis
 Thalictrum dioicum
 Tiarella cordifolia
 X 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

Additional Species:

X CAREX SP