

FIELD NO.: 937 PLOT NO.: 11 DATE: 11 July

Comments on topography and environment:

Comments on vegetation structure:

Comments on vegetation structure:
Mostly shrub thickets in herb. vegetation
Single tree to 6m present

Corn ra 95, 183; 95, 80, 160; 105, 130, 170; 205

Loni mo 90:

Rubus sp. X *trispid*; 5-merous lvs soft, acuminate \rightarrow *R. allegheniensis*?

spp. code	0-2	2-4	4-6	6-8	8-10	>10
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FRAM						16
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FIELD NO.: 937 PLOT NO.: 12 DATE: 11 July

Aspect: W facing

Soil is rocky, a litter layer is usually present

Mostly creeping *Rubus* sp. ~~is~~ with herbaceous cover
Few trees and shrubs present

cover along

TRANSSECTS		
Cover of woody vegetation	spp. code	cover along transect (cm)
Rubus <i>Spiraea tomentosa</i>		20
<i>Berberis thunbergii</i>		110
<i>Lonicera</i>		70
<i>Corn. Sp.</i>		50

app. code

spp. code	0-2	2-4	4-6	6-8	8-10	>10
FRAM				1		10.5
ACRU					1	
JUVI						15.0
ACGI			1			

FIELD NO. 937 PLOT NO.: 12 DATE: 11 July

QUADRATS

% cover of herbaceous and creeping vegetation

(x=present in the plot but not the quadrats, += >0 but <1 % cover)

species/present

percentage

rock

litter & bare soil

mosses

lichens

Rubus sp.

Hypoxis *perforatum*

Solidago sp. I

Convolvulus sp. (see plot 11)

Carex sp.

Rumex acetosella

rosette *Solidago* sp.

Veronica officinalis

Panicum sp. (see #11)

Anthoxanthum odoratum

Satureya vulgaris

Solidago graminifolia

Solidago juncea

Scizachrium *stoparium*

Andropogon scoparius

Solidago rugosa

Linaria vulgaris

ACRU

Potentilla simplex

Apocynum androsaemini

Density of woody seedlings

ACRU

FIELD NO.: 937 PLOT NO.: 13 DATE: 15 July

LOCATION
Base point landmark: grid corner 922 by Canoe Hill Rd.

Aur. slope: 90 Slope position: hillside, lower slope

Comments on topography and environment:

Comments on vegetation structure:
Mixed shrub thicket to 1m ht, w/ goldenrods also 1m high
herbaceous cover below canopy moderate, seedlings rare
litter layer usually present 3 large trees present

Cover of woody vegetation

~~Sl Rhus~~ 390; 250; 50; 50, 135
Corn sa 110; 105; 168, 35, 140; 45, 85
ACSA 450; 145
Crataegus sp. X

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
ACSA						11.0, 15.0

JUVI

FIELD NO. 937 PLOT NO.: 13 DATE: 15 July

QUADRATS

% cover of herbaceous and creeping vegetation

(x=present in the plot but not the quadrats, += >0 but <1 % cover)

species/present

percentage

rock

litter & bare soil 65 55 2 2 2

mosses

lichens

Anthoxanthan odor 2 + + 3 2 +

Gastrium mollugo 3 5 2 + 20 8 8 +

Rubus sp. (flag) 8 3 2 14 8 6 10

Solidago sp. 10 10 30 18 65 15

Solidago altissima 6 (*S. canad* / *S. gig* ^{DE})

Arrhenatherum elatius 8 20

Oxalis stricta + + +

Barbarea chloranth cucullata +

Carex sp. + +

Trifolium sp. + + agrarium +

Solidago rugosa 25 2 18 12

Andropogon scoparius 18 55 + 3 15 10

FRAM 2

Rumex acetosella 2 +

Linaria vulgaris + +

Hypericum perforatum + +

Potentilla canadensis 2

Solidago graminifolia 2 2 2

Solidago sp. 10

Convolvulus sp. 3 7

Pianthus armeria X

Achillea millefolium +

Trifolium pratense X

Density of woody seedlings

FRAM 1

UPLAND FIELD VEGETATION

FIELD NO.: 937 PLOT NO.: 14 DATE: 15 July

LOCATION

LOCATION
Base point landmark: Grid corner 922 by Canse Hill Rd. 1937

Polar coordinate direction: 94° 100 paces

Avg. slope: 11° Slope position: hill top / crest / upper slope

Aspect: NW facing

Comments on topography and environment:

Comments on topography and environment:
exposed bedrock to SW of plot stake,
Plot center at crest of small SW-NE ridge axis

Comments on vegetation structure:

Comments on vegetation structure:
Shrubs primarily *Rubus* sp., creeping in herbaceous cover
Other shrubs very rare, only a single tree present, but others
nearby the plot

TRANSECTS

Cover of woody vegetation

spp. code *Stenactis* cover along transect (cm)

Spizella ~~strea~~ X = *S. latifolia* or
 Loui no X
 Corn ra X

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
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JUVI

Density of woody seedlings

UPLAND FIELD VEGETATION

FIELD NO.: 937 PLOT NO.: 15 DATE: 16 July

LOCATION

Base point landmark: grid corner #922 by Cause Hill Rd

Polar coordinate direction: 22 ° 198 paces

Avr. slope: 7° Slope position: hillside, lower slope

Aspect: NW-facing

Comments on topography and environment:

Comments on vegetation structure:

Shrubs abundant throughout, spaced and not in clumps or thickets. Trees present, most about 4-6 m in ht. Herbaceous cover throughout plot, less dense beneath trees

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn ra 65, 80, 79; 214; 155; 185

Loni mg 70;

Rhus sp 25; 15;

ACRU 570; 310

Prun vi 20, 18

Rosa sp. 13

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
<u>Ju VI</u>	<u>1</u>			<u>1</u>		
<u>ACKU</u>			<u>1</u>		<u>1</u>	<u>11.3</u>

FIELD NO. 937 PLOT NO.: 15 DATE: 16 July

QUADRATS

% cover of herbaceous and creeping vegetation

(x=present in the plot but not the quadrats, += >0 but <1 % cover)

species/present

percentage

rock

litter & bare soil 5 4 22 30 8 2 4 2

mosses

lichens

Solidago sp. 1 12 7 45 14 10

Solidago princeps 6 2 3 20

Solidago graminifolia + + 2 2 + +

Rubus sp. (creeping) 7 15 4 10 20 10 40

Andropogon scoparius 18 14 12 8 18 12 10 40

Convolvulus sp. 2 9 10 2 4 8 2

Caryophyllidae (unknown) +

Solidago rugosa 4 5 3 + 14

Anthoxanthum odoratum + + +

Rumex acetosella 2 5 2 2 +

Oxalis stricta +

Parthenocissus quinque 5

Toxicodendron radicans 6 5 6

PRSE 2

Galium mollugo + 4 3

FRAM +

Veronica officinalis +

JUVI +

Hieracium sp. 2

Hypoxis perforatum +

Solidago nemoralis? [= *S. rugosa* E.] 18

hard to tell apart! but / can't be / vs narrow

Density of woody seedlings

PRSE 2

JUVI 1

FRAM 1