

UPLAND FIELD VEGETATION

FIELD NO.: 904 PLOT NO.: 36 DATE: 30 July

LOCATION

Base point landmark:

Polar coordinate direction: 297 160 paces

Avg. slope: 7° Slope position: hillside - upper slope

Aspect: S-facing

Comments on topography and environment:

Comments on vegetation structure:

Comments on Vegetation structure:
Shrubs are common and conspicuous in the plot, both solitary and in thickets, < 1 m high. One tree in plot, < 5 m high.
herb vegetation mixed, with ~~some~~ grasses dominant

TRANSECTS

Cover of woody vegetation

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spp. code      cover along transect (cm)
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Corn ra 273; 144; 149

lonima 72

DATE 260

Vib dent X

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
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FIELD NO. 904 PLOT NO.: 36 DATE: 30 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	3	+		14	12	15	18	
mosses								
lichens								
<i>Andropogon scoparius</i>	25	21	45	7	30	23	25	65
<i>Trifolium asarum</i>	1	+						
<i>Solidago</i> sp. 1	37	15	12	6	19	12	25	23
<i>Galium mollugo</i>	8				2	12	5	
<i>Centaurea maculosa</i>	5	7	2	2				
<i>Vernonia officinalis</i>	10							
<i>Panicum</i> sp.	4	+	2		+			
<i>Rumex acetosella</i>	6	4	4	18	5	4	4	5
<i>Rubus</i> sp.	5	16	25	65	22	20	18 23	16 10
" <i>Convolvulus</i> " sp.	2	+					15 15	+
<i>Barbarea-type</i> sp.	+	2			2			
<i>Potentilla canadensis</i>	+	7	20		18			
<i>Potentilla simplex</i>	+	+						
<i>Silene cucubalus</i>		2	13 3		2	2	2	
<i>Hypericum perforatum</i>		2	12	3		9		
<i>Arabis glabra</i> & <i>Cruciferae</i>		+						
<i>Solidago juncea</i>		6			7			
<i>Linaria vulgaris</i>		+	+	3	2			4
<i>Oxalis stricta</i>		+	+	+				
<i>Chrysanthemum leuc</i>		+	+		+			
rosette <i>Urtica</i> sp.		3				1		
<i>Juncus effusus</i>					+			
<i>Achillea millefolium</i>					+			
<i>Urtica</i> sp.						+		

Density of woody seedlings

UPLAND FIELD VEGETATION

FIELD NO.: 904 PLOT NO.: 37 DATE: July 31 / Aug

LOCATION

Base point landmark:

Polar coordinate direction: 281 ° 53 paces

Avr. slope: 45° Slope position: hill side lower slope

Aspect: SSE

Comments on topography and environment:

Not Flat terrain

Comments on vegetation structure:

Plot mostly covered by shrubs in large thickets or solitary clumps
Herb. layer mostly Rubus, Solidago and Andropogon in different proportions. Trees rare, seedlings present in plot, rare, and not found in quadrats

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn ra 132; 713; 25; 746

Loni mo X

TREES

DBH measurement, in cm

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

ULRU 1

FRAM 1

FIELD NO. 904 PLOT NO.: 37 DATE: 1 Aug

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

Cornus thicket - soil is bare, but all beneath
Cornus - Solidago canopy (<1.5m)
 canopy up to 2m high

(100) none

<i>Rubus</i> sp. (Creeping)	90	65	10		25	30	4	28
<i>Solidago juncea</i>	2	10	*		11	12	20	
<i>Solidago granifolia</i>	6				20	25	22	22
<i>Solidago burgosa</i>	3			3			23	21
<i>Galium mollugo</i>	2				23	16	10	11
<i>Solidago</i> sp. 1	4	8	7		34	18	13	
<i>Lindera vulgaris</i>	+	2						
<i>Lactuca</i> sp.	2							
<i>Faniscum</i> sp.	+							
<i>Andropogon scoparius</i>	7	10			6			
<i>spatulate</i> <i>unken</i> sp.		+				+		
<i>Rumex acetosella</i>		15			5	3	3	3
<i>Oxalis stricta</i>		2				+	4	
<i>Solanum carolinense</i>		+						
<i>S. bicolor</i> <i>hippida</i>			2					
<i>S. gigantea</i> / <i>serotina</i>			46			4		
<i>3</i> <i>g. alt / canad.</i> <i>Achillea millefolium</i>					1			
<i>Hypericum perforatum</i>					+			
<i>Potentilla recta</i>					+	+		
<i>Unken composite rosettes</i>					2			+
<i>Trifolium agrarium</i>						24		
<i>Carex</i> sp.						+		

Centauria maculosa X *Toxicodendron radicans* X *Erigeron* sp. X
Solidago alt / canad X *Silene cucubalus* X *Cynanchum virginicum* X

Density of woody seedlings none found present

UPLAND FIELD VEGETATION

FIELD NO.: 904 PLOT NO.: 38 DATE: 31 July / 1 Aug

LOCATION

Base point landmark:

Polar coordinate direction: 247° 179 paces

Avg. slope: 8° Slope position: East side - upper slope

Aspect: SE-facing

Comments on topography and environment:

Comments on topography and environment:
Small areas of exposed bedrock and bare soil present in the plot

Comments on vegetation structure:

Comments on vegetation structure:
Herbaceous spp. dominate this plot, w/ prominent shrub thickets present in lesser abundance, trees and seedlings rare.

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Costa 211; 99; 5

TREES

DBH measurement, in cm

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

FIELD NO. 904 PLOT NO.: 38 DATE: 31 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

~~Solidago~~ *Solidago* sp. 1

Solidago graminifolia

Andropogon scoparius

Rubus sp. (creeping)

Achillea millefolium

Linaria vulgaris

unkn. composite rosette

Centaurea maculosa

"*Barbarea* type" sp.

Solidago juncea

Rumex acetosella

JUVI

Chrysanthemum leucanth.

Panicum sp.

Hypericum perforatum

Silene cubitalis

Rubus sp. 2 (creeping)

Lepidium campestre

unkn. rosette

Cynanchum nigricans

Solidago rugosa

Erigeron sp.

Galium mollugo

Potentilla simplex

Oenothera arvensis X

Achillea millefolium X

Density of woody seedlings

JUVI

1

1 Aug.

= *Lactuca canadensis*

3 serrate
lvs →

yes

UPLAND FIELD VEGETATION

FIELD NO.: 904 PLOT NO.: 39 DATE: 1/2 Aug

LOCATION

Base point landmark:

Polar coordinate direction: 275 ° 146 paces

Avr. slope: 5° Slope position: hillslope: upper slope

Aspect: E-facing

Comments on topography and environment:

Flat and sloping terrain

Comments on vegetation structure:

Shrub thickets dominant, but trees also present. Shrubs to 2m in ht., mostly < 1.5m. Herb vegetation mixed, grass + goldenrod + Rubus most common, dominant.

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

ACRU 385; 160; s.dling: 65 (doesn't count?)

Loni mor 108;

Corn rac 166; 96; 238; 36

Rhus gl. 27; 66;

Parthenocarpus quinque X

Hum. lup X

Viburn. lent. X

TREES

DBH measurement, in cm

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

ACRU

JUVI

FIELD NO. 904 PLOT NO.: 39 DATE: 1/2 Aug

QUADRATS

% cover of herbaceous and creeping vegetation

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

* under shrub canopy

species/present

percentage

rock

litter & bare soil 40*

4

6

16

mosses

lichens

Solidago graminifolia 18 +

3

4

fr red- *Rubus* sp (creeping) 14

16

5

7

27

30

10

75

Solidago sp 1 5

18

13

3

2

8

+

Rumex acetosella 13

12

9

8

14

15

5

13

Linaria vulgaris +

2

Andropogon scoparius 8

14

~~570~~ ~~75~~

50

85

35

(canad. or gig.) *Solidago* sp ~~48~~ ~~48~~ ~~53~~

19

3

hairy infl. *Solidago* canad. ~~48~~ ~~48~~

48

~~*S. sp.*~~ ~~48~~ ~~48~~

48

Solidago rugosa

6

Hypericum perforatum

~~48~~

+

Convolvulus sepium

~~48~~

1

Geranium meigeni

~~48~~

1

Convolvulus sp.

2

lobelia inflata

1

Chrysanthemum leucanthemum X

Solidago bicolor / *vispida* X

Lactuca canadensis

Density of woody seedlings

none found present

FIELD NO. 704 PLOT NO.: 40 DATE: 2 Aug

QUADRATS

% cover of herbaceous and creeping vegetation

(x=present in the plot but not the quadrats, += >0 but <2 % cover)

species/present

percentage

rock

litter & bare soil

mosses

lichens

<i>Solidago juncea</i>	16	13	10	9	3	2	7	3
<i>Solidago rugosa</i>	6		13	6				
<i>Solidago</i> sp. 1	20	32	26	30	8	4	18	11
<i>Anthoxanthum odoratum</i>	15		6	5	2	5	20	50
<i>Galium mollugo</i>	10	15	9	6	5		3	10
<i>Rumex acetosella</i>	18	10	6	14	20	20		8
<i>Rubus</i> sp.	24	4	19	16	12	21	9	10
<i>Silene cucubalus</i>	4	3				10	+	2
<i>Veronica officinalis</i>	+	2						
<i>Andropogon scoparius</i>			25	8	65	65		
<i>Trifolium agrarium</i>		+		1	2	11		+
<i>Nalis stricta</i>		+		+	+	4	+	
<i>Centaurea maculosa</i>		+			42	2		1
<i>Carex</i> sp.		+						
<i>Chrysanthemum leucanth</i>	2				1			
<i>Hieracium</i> sp.			8		2			
<i>Potentilla canad</i>				+	+		2	+
<i>Solidago graminifolia</i>						35	3	
<i>Solidago</i> unlabeled <i>gigantea</i> (E 8/2)						8	+	
<i>Barbarea</i> type						+		
<i>Agrostis</i> sp. (tenuis)							7	
<i>Hordeum</i> sp.							2	
<i>Hypericum perforatum</i>								2
<i>Solidago</i> hybrid <i>bicolor</i>								+

Density of woody seedlings

Dracopis armeria X
none found

UPLAND FIELD VEGETATION

FIELD NO.: 904 PLOT NO.: 40 DATE: 2 Aug

LOCATION

Base point landmark:

Polar coordinate direction: 235° 125 paces

Avr. slope: 8° Slope position: hillside lower slope

Aspect: SE facing

Comments on topography and environment:

Gentle to Moderately sloping, < 100m from creek

Comments on vegetation structure:

*~~Mostly~~ Upper half of plot is w/in Corn rac thicket up to 3m in ht
center is almost directly beneath a lg. JUVE*

*Mostly shrubs throughout the plot, solitary and spaced in the
lower 1/2 of plot*

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn rac 750; 698; 108; 650

JUVI 50; 95; 230; 70

Loni max 80;

Berb Vulg.

X

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
<i>JUVI</i>			<i>1</i>			<i>19.0</i>
<i>GRAM</i>	<i>1</i>					
<i>ACRU</i>				<i>1</i>		