

UPLAND FIELD VEGETATION

FIELD NO.: 960 PLOT NO.: 16 DATE: 16 July

LOCATION

Base point landmark: grid corner #960

Polar coordinate direction: 310 ~~300~~ 81 paces

Avr. slope: 80 Slope position: hill top / upper slope

Aspect: SW-facing

Comments on topography and environment:

Rocky, 6 patches of exposed bedrock, each at least $\frac{1}{2} m^2$ ^{surface} in area

Comments on vegetation structure:

low shrubs (<1m) in clumps, localized, creeping *Rubus* forms
herbaceous cover along w/ herb vegetation
Tree sparse

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn sa 422; 300; 31

Humil. sap 40

Rosa sp. X

TREES

DBH measurement, in cm

spp. code

PRSE

0-2

2-4

4-6

6-8

8-10

>10

same tree

(live)

(dead)

FIELD NO. 960 PLOT NO.: 16 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

2

1

7

28

(under shrub canopy) litter & bare soil

15

anthill → 4

mosses

lichens

+

+

12

5

Andropogon scoparius

75

5

40

~~50~~ 5

10

6

45

45

Galium mollugo

7

8

5

4

Solidago juncea

4

4

+

5

Solidago sp. 1

5

3

3

2

6

Rumex acetosella

5

+

12

+

25

5

Rubus sp. (flag)

3

+

+

6

+

40

Hieracium sp. (rosette)

4

+

3

12

6

Fragaria virginiana

12

10

Anthoxanthum odoratum

5

Solidago rugosa

2

Oxalis stricta

+

+

Potentilla simplex

+

Hypericum perforatum

+

+

2

(vs scabrous) *Solidago sp. 5 (rosette)*

2

Rubus sp. 2

35

20

10

Linaria vulgaris

+

+

Panicum sp.

8

3

Parthenocissus quinquefolia

5

5

Danthonia spicata

~~5~~

4

Achillea millefolium X

Density of woody seedlings now found

FIELD NO.: 960 PLOT NO.: 17 DATE: 17 July

Base point landmark: quad corner 10
Polar coordinate direction: 10 ° 81 _____ paces
Avr. slope: 6° Slope position: hillside, upper slope
Aspect: Sto SW-facing

Comments on topography and environment:

Comments on vegetation structure:
Small (<1m) shrubs in clumps predominate in herbaceous cover. No trees present, although seedlings are present in the plot

Cover of woody vegetation
spp. code cover along transect (cm)

Loni mo 65; 10

Corn ra 135; 336; 853; 228

~~Human~~ X *Vitis vulpina* &

Rosa (50) 100

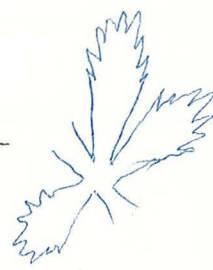
→ multiflora E

TREES *none present*
DBH measurement, in cm

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
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FIELD NO. 960 PLOT NO.: 17 DATE: 17 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			6	25		14		
mosses								
lichens								
→ <i>Solidago juncea</i>	6		14 +		2	+		+
<i>Solidago</i> sp. 1	26	30	12		18	25	10	20
<i>Gastium molugo</i>	8	15	6	2	6	3	5	20
<i>Andropogon scoparius</i>	5	3				2	6	15
<i>Anthoxanthum odoratum</i>	2	+	5	3	2	5		3
<i>Oxalis stricta</i>	+					+		
<i>Rubus</i> sp. (creeping)	6	4		14 +	+	+		+
<i>Rumex acetosella</i>	10		+	+		2	25	
<i>Potentilla canadensis</i>	2	5						
<i>Hypericum perforatum</i>	+							+
<i>Trifolium asparium</i>		2	4			2		+
<i>Hieracium</i> sp.		+	6		18		6	10
<i>Solidago rugosa</i>		2	3	8	4	2		3
<i>Solidago graminifolia</i>			3		+			
<i>Centauria maculosa</i>			2					+
<i>Plantago lanceolata</i>			3					
<i>Potentilla simplex</i>			2	3	2	2		
<i>Solidago</i> sp. rosette			2					2
<i>Carex</i> sp.			+		+			13
<i>Poa compressa</i>			+					
<i>Aster</i> sp.				+				+
<i>Comarostaphylis</i> sp.				14 3				
<i>Arrhenatherum elatius</i>				5				
<i>Satureja vulgaris</i> X								
<i>Solidago</i> sp. 96017A ← <i>juncea</i> (E)						14 +		
<i>Achillea millefolium</i>								+
Density of woody seedlings none found								
<i>Potentilla recta</i>								2
<i>Daucus carota</i> X								

UPLAND FIELD VEGETATION

FIELD NO.: 960 PLOT NO.: 18 DATE: 17 July

LOCATION

Base point landmark: grid corner #960

Polar coordinate direction: 75 ° 84 paces

Avr. slope: 25° Slope position: hilltop

Aspect: S facing

Comments on topography and environment:

Comments on vegetation structure:

Shrubs solitary and ^{mostly} in clumps and thickets, not > 1m high
in surrounding herbaceous vegetation
trees to 6m present in low abundance

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Rhus ~~sp~~ 353; ~~200~~ 130; 20; 96

Corn Na 193; ~~130~~ 295; 174; 260; 109

JUVI 100; 200

FRAM 120

TREES

DBH measurement, in cm

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

PRSE 11

JUVI

FRAM

1

1

180

FIELD NO. 960 PLOT NO.: 18 DATE: 17 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						6		
mosses							+	
lichens								
<i>Solidago juncea</i>	5	34						
<i>Solidago</i> sp. 1	12	22			34	10	14	
<i>Rubus</i> sp. (creeping)	20	10	17	8	6		10	2
<i>Gallium mollugo</i>	+	+	7	+		+	2	4
<i>Andropogon scoparius</i>	15	12	18	80	65	55	40	30
<i>Anthoxanthum odoratum</i>	+		6	7		2	+	+
FRAM	+			4				
<i>Rumex acetosella</i>	+	+	+	2	2	+	8	2
<i>Lactuca</i> sp.	+							
<i>Solidago rugosa</i>		2	8	2				
<i>Achillea millefolium</i>		+						+
<i>Taraxacum officinale</i>			+					
<i>Oxalis stricta</i>				+		+	+	
<i>Linaria vulgaris</i>					+			
<i>Toxicodendron radicans</i>						+		
<i>Trifolium agrarium</i>								
<i>Solidago</i> sp. 2							7	
<i>Solidago graminifolia</i>							3	2

Density of woody seedlings

FRAM	2			23				

UPLAND FIELD VEGETATION

FIELD NO.: 960 PLOT NO.: 19 DATE: 18 July

LOCATION

Base point landmark: grid corner #960

Polar coordinate direction: 49 ° 100 paces

Avr. slope: <5° Slope position: hilltop

Aspect: slightly E-facing

Comments on topography and environment:

Flat

Comments on vegetation structure:

Trees w/ shrub thicket undercanopy surrounded by herb. material
shrubs ~1m high, some smaller

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn ra 43; 203, 152; 354; 25

PRSE 80; 250; ~~152~~ 510; 160

Lon 5 m 129

ACRU 80

Barb thumb X

609
255
354

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
<u>ACRU</u>						<u>12.5</u>
<u>PRSE</u>						<u>13.5</u>

FIELD NO. 960 PLOT NO.: 19 DATE: 18 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

Andropogon scoparius 75 60 25 28 + 5 70 75

* *Anthoxanthum odoratum* 2 + + + +

Gallium mollugo + 2 3 2 10 8 8 2

Solidago sp. 1 (Rosette) 5 8 12 30 12 30 6

Solidago rugosa + 6 + +

Rubus sp. (creeping) 10 10 2 + 2 + 8 10

Fragaria virginiana 2 + +

Potentilla simplex + 2 + 5 +

ACRU + + 18

Oxalis stricta + +

Rumex acetosella 2 2 + 3 2 8

FRAM 2 2 3

Carex sp. 2 (*C. complanata* L.) 3

Solidago graminifolia 3 +

* *Poa* sp. +

Achillea millefolium + +

Hieracium sp. 2 2 4

Hypericum perforatum + +

Trifolium agrarium +

Solidago juncea 2 2

Panicum sp. +

Solidago sp. 7 2

Toxicodendron radicans 20

Density of woody seedlings

ACRU 1 1 1

FRAM 3 2 1

* ~~from~~ cover was unestimatable in some cases due to the relative rarity of these spp. cover was lumped w/ major species estimate

FIELD NO.: 960 PLOT NO.: 20 DATE: 18 July

Base point landmark: quad corner #760
Polar coordinate direction: ~~28~~ 351 ° ~~15~~ 20 paces
Avr. slope: 5° Slope position: Lith side: upper slope
Aspect: W and SW facing

flat, sloping topography

Mostly herbaceous w/ solitary and clumps of shrubs $< 1\text{m}$ high
Trees absent; seedlings rare

Cover of woody vegetation

Corn ra 108; 154; 108; 142
RASE sdl 33
ioni m. X
FRAM sdl X

DBH measurement, in cm

[illegible]

FIELD NO. 960 PLOT NO.: 20 DATE: 18 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

2

mosses

lichens

Toxicodendron radicans 14

Solidago juncea 4 5

Solidago rugosa 2 2 14 15 45 2 35

Solidago sp. 1 22 15 (16) 15 35 25 35 15

Poa compressa +

Anthoxanthum odoratum 2 + 2 2 + + + +

Andropogon scoparius 24 12 8 15 45 28 30 10

Galium mollugo 12 15 10 16 4 22 20 20

Trifolium agrarium 2 +

Juncus +

Rubus sp. (creeping) 10 6 5 18 4 2 6

Potentilla simplex + + + 42 + + +

Carex sp. + +

Rumex acetosella + + 3 10 3 + + 2

Hypericum perforatum +

Potentilla recta 2

Solidago sp. B 4

Hieracium sp. + 3 +

Grass sp. (*Agrostis*?) [*A. tenuis*] +

Carex sp. 3 (*C. normalis* B.) +

unknown *Solidago* +

Fragaria virginiana 2 2

Oxalis stricta + +

unknown → (*Solidago hisp.* B. *leucop.* B.) 2

Solidago graminifolia X

Density of woody seedlings

JUVI 1