

UPLAND FIELD VEGETATION

FIELD NO.: 710 PLOT NO.: 21 DATE: 19 July

LOCATION

Base point landmark:

*corner of stone walls at SE corner of field
in woods*

Polar coordinate direction: 328 ° 196 paces

Avr. slope: <5° Slope position: Local depression

Aspect: none

Comments on topography and environment:

*Flat plain at bottom of hill
one (10') contour above stream creek*

Comments on vegetation structure:

*Trees dominant, ~~most shrubs~~ in a dense array, shrubs sparse
and small, most ~ 1/2 m high. Herbaceous cover predominately grasses,
some ~~and~~ creeping Rubus*

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Corn rac 207; 25; 143

Elae com 180;

JUVI 40; 340; 70; 250

Loni mor 3

Rosa sp. X

ACRU ssp X

Juni comm var ~~depr.~~ X

Corn dm X

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
JUVI					1	11.0
(cont'd)						
PRSE	1	1				
ACSA	1	11				
JUVI (still cont'd)						
JUVI (Totals)	20	33	18	3	1	1

19 July

% cover of herbaceous and creeping vegetation

cover)

percentage

rock	18	55	3	5 10			15 20	25
Litter & bare soil	4		5		65	40	+	10
mosses		+						
lichens	45	28	50	60	20	18	70 65	55 50
<i>hepatica repens</i>	7		15			2	8	
<i>a. acetosella</i>	18	7	12	25	8	18	8	3
<i>us. sp. (creeping)</i>	+	+		+	+			
<i>alis stricta</i>	2						+	
<i>lago sp. (unknown)</i>		+				2		
<i>lba. millefolium</i>		10 7						
<i>onica officinalis</i>		18	2		10 10	2		
<i>lago sp. 1 (rosette)</i>		+						
<i>clm. sp.</i>				+				
<i>aria vulgaris</i>				3		+		
<i>utilla simplex</i>					4			
<i>lago pinnata</i>					6			
<i>ium arvense</i>						2		
<i>racium sp.</i>						2		
<i>erium perforatum</i>								
<i>thysantherum odoratum</i>	X							
<i>lbeckia hirta</i>	X							

none present in quadrats

none present in quadrats

UPLAND FIELD VEGETATION

FIELD NO.: 710 PLOT NO.: 22 DATE: 19 July

LOCATION

Base point landmark:

corner of stone walls at SE corner of field in woods

Polar coordinate direction: 326 ° 121 paces

Avr. slope: 25° Slope position: mid slope

Aspect: NW facing

Comments on topography and environment:

Soil thin in areas, Exposed bedrock present in plot

Comments on vegetation structure:

Trees and seedlings dominant and relatively dense
herb layer dominated by grasses and moss
some shrubs, although sparse, are present, <1m high

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Juvi 340; 410; 130; 640

ACRU 70; 240

PRSE 120

Rosa sp. 35; 27

Rhus gl. 22; 30; 30

Cornus 110; 30

Juniperus commun var depr 295;

Juniperus commun 40

Viburnum dent X

Spiraea latifolia X = S. latifolia

Vitis vulpina? X

Vacc vac X

Toxicodendron radicans

TREES totals 48 30 3 3 3 1

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
Juvi						13.0

(cont'd) ||| |||

(cont'd) ||| |||

PRSE ||

ACRU | X

Juvi ||| ||

||||

76.0

UPLAND FIELD VEGETATION

FIELD NO.: 710 PLOT NO.: 23 DATE: 22 July

LOCATION

Base point landmark: corner of stone walls at SE corner of field (in woods)

Polar coordinate direction: 294 ° 79 ~~178~~ paces

Avg. slope: >5° Slope position: dithside, lower slope

Aspect: W-facing

Comments on topography and environment:

Within 30m of field edge, gently sloping

Soil very thin, 45cm deep on the average

Comments on vegetation structure:

Seedlings and large trees are dominant, shrubs are not common, usually solitary and ~~up to 1.5m~~ up to 1.5m. Herbaceous material mostly grass, moss, with conspicuous person wry

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Rhus gl 116; 100; 232; 35

ACRU 40

JUVI 500; 230; 133; ~300

Juni comm var. dens. 410

Vaccinium ~~150~~ 150 corymbosum

Loni no 45

Spiraea ~~150~~ X = S. latifolia &

Vib dent X

Vitis sp.

B

<u>QUBO</u>		1				
<u>BELE</u>		1	1			

TREES

DBH measurement, in cm

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

JUVI ||||| ||||| ||||| ||||| ||||| 25.0

QULVE ||||| ||||| ||||| ||||| ||||| |||||

CAGL ||||| ||||| ||||| ||||| ||||| |||||

ABSA ||||| ||||| ||||| ||||| ||||| 13.0

ACRU ||||| ||||| ||||| ||||| ||||| |||||

QUPR ||||| ||||| ||||| ||||| ||||| |||||

FIELD NO. 710 PLOT NO.: 23 DATE: 22 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

Convolvulus sp.

Achillea millefolium

Rubus sp. (creeping)

Rumex acetosella

Solidago bicolor / *viridis*

Solidago sp. 1

Solidago rugosa

Potentilla simplex

Cirsium arvense

Oxalis stricta

Anthoxanthum odoratum

Toxicodendron radicans

Crat sp.

QUVE

Solidago pinnata

Hypericum perforatum

Density of woody seedlings

Crataegus sp.

QUVE

*these 2 plots located in a huge *Juniperus communis* var. *depressa* clump w/ lichens on its bark

UPLAND FIELD VEGETATION

FIELD NO.: 710 PLOT NO.: 24 DATE: 22 July

LOCATION

Base point landmark:

Polar coordinate direction: 282 ° 133 ~~48~~ paces

Avr. slope: 12° Slope position: hillside, lower slope

Aspect: N and NW-facing upper slope ~~not to lower slope~~

Comments on topography and environment:

Soil thin in places, small area of exposed rock present in plot

Comments on vegetation structure: (23m)

Tree seedlings and saplings predominate with some trees
Shrubs rare, up to 2m
Herbaceous vegetation mostly mosses and grasses, other herbs rare

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Vacc vac 255

JUVI 370

Vacc corymb X

Vib dent X

Tamperus communis var depr. X

Rosa sp.

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
JUVI	XX XX	XX XX	III		I	11.5, 13.0
	XX XX	XX XX				
	XX XX	XX XX				
	XX	XX				
PRSE	I					
ACSA	I					
ACRU	I					

FIELD NO. 710 PLOT NO.: 24 DATE: 22 July

QUADRATS

% cover of herbaceous and creeping vegetation

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

species/present

percentage

whole plot is beneath *Vaccinium vacillans* bush

rock

litter & bare soil

mosses

lichens

Anthoxanthus odor

Andropogon scoparius

Solidago bicolor/hisp

Potentilla simplex

Rumex acetosella

Rubus sp. (creeping)

Danthonia spicata

ACSA

Hieracium sp.

Unknown sp.

QUBO

Carex sp. 2 [*C. complanata* s.l. B]

Hypericum perforatum X

Density of woody seedlings

ACSA

QUBO

UPLAND FIELD VEGETATION

FIELD NO.: 710 PLOT NO.: 25 DATE: 23 July

LOCATION

Base point landmark:

corner of stone walls at SE corner of field in woods

Polar coordinate direction: 330 ° 261 paces

Avr. slope: <5° Slope position: Hillside - lower slope

Aspect: NNE facing

Comments on topography and environment:

Mostly flat

Comments on vegetation structure:

*Some trees up to 6m, most
Shrubs and saplings predominate
Grasses + sedges dominate herb layer*

TRANSECTS

Cover of woody vegetation

spp. code cover along transect (cm)

Elae carom 12; 43
Juvi 51; 213; 13; 155
Vib dent 6;
Corn ra 41; 40
Alnu ru 260
Spir latifolia 6 = S. latifolia 5
Rham ca X
Loni mo X
Rosa sp. X
Juni carom var depr 208; 112
Viburnum lat ruf X

TREES

DBH measurement, in cm

spp. code	0-2	2-4	4-6	6-8	8-10	>10
JUVI			11	1		17.0, 12.0
ACSA	1					
PIST	1					

FIELD NO. 710 PLOT NO.: 25 DATE: 23 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	+			
litter & bare soil	3	15	4	12	4		18	20
mosses								
lichens				+				
<i>Andropogon scoparius</i>	40	60	60	45	65		65	35
<i>Anthoxanthum odoratum</i>	5	+	2			4	+	5
<i>Cirsium arvense</i>	7							
<i>Achillea millefolium</i>	+			+		+		+
<i>Solidago</i> sp. 1	10	15	15	18	16	7	5	12
<i>Hypericum perforatum</i>	+							
<i>Potentilla simplex</i>	3	+	15	3	+		2	
<i>Fragaria virginiana</i>	2		3	2	2	6	2	
<i>Veronica officinalis</i>	2		2		4	3	2	
unknown rosette	+							7
<i>Oxalis stricta</i>	+							
JUVI	25		+				+	
<i>Solidago juncea</i>		5	3	13				
<i>Hieracium</i> sp.		+			+	+	+	
<i>Carex</i> sp. 2 [<i>C. complanata</i> s.l.]		+		+	+	+	+	
unknown rosette 2			5	4		2	3	
<i>Solidago graminifolia</i>			+					
"Barbarea-type"			+					
<i>Trifolium agrarium</i>				+				
rosette narrow w/ lvs → 71025-A unknown sp.				+				
<i>Solidago</i> sp. 2					2	5		
Poa comp = grass sp.					4			+
Poa comp								
<i>Rudbeckia hirta</i>								
<i>Equisetum arvense</i> X								
<i>Prunella vulgaris</i> X								

Density of woody seedlings

JUVI	1		1				1	

* originally in the middle of a clump of JUVI cover near slope; no herb material relocated using random #'s, but can be excluded