

UPLAND FIELD SURVEY

Date: 18 July

Field name: 123

Location: ~~the bottom~~ Greenhouse area
W of

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

= located primarily at edges of field

species list-abundance classes

JUVI	4	QUVE	2
ACRU	4 → 2	PIST	1
POTR	e 3	QUPR	1
COFL	2	Pyrus sp. malus	1
FRAM	1	ACSA	1
PRSE	2	Ailanthus alt.	2
Juncus communis var. dep.	2	(→ see shrubs)	
QUBO	1		

Seedlings (< 1m standing ht.)

species list-abundance classes

JUVI	4	PIST	1
QUBO	1	ILLAM	1
POTR	3	QUVE	2
FRAM	2	CAGL	1
		QUPR	1

conspicuously

Herbaceous species - dominant species

1. *Andropogon scoparius*
2. _____
3. *Solidago* sp.
4. _____
5. *Carex* sp.
6. _____
7. *Arthraxonanthum odoratum*
8. _____

others, unusual species

Pycnanthemum sp., *Rudbeckia*, *Achillea*, *Prunella vulgaris*, *Anaphalis margaritacea*,
Hypericum perforatum, *Hieracium* sp., *Trifolium*, *Rumex acetosella*, *Asclepias* sp.,
lichens, mosses, *Dianthus armeria*, *Aster* sp., *Cirsium* sp., *Lobelia spicata*,
S. bicolor, *Hype. perf.*

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<i>Rhus glabra</i>	s/t	2-4	<i>Cornus amomum</i>	s	1
<i>Cornus rac</i>	s/t	4	<i>Vacc. stans</i>	s	1
<i>Rubus sp</i>	c	23	<i>Parthenocis quinque</i>	c	1
<i>Lonicera morrowi</i>	s	1	<i>Viburnum dentatum</i>	s	1
<i>Vacc. vis</i>	s	1	<i>Elaeagnus comm</i>	s	1-2
<i>Rosa sp.</i>	s	1	<i>Rham cat</i>	s	2-1
<i>Rhamn. ca</i>	s	1	<i>Parth qui</i>	c	1
<i>Toxicodendron radicans</i>	c	3			

Structure - description of overall abundance of different growth forms

and cover in the field

Trees relatively dense, dominating canopy, shrub understory usually present w/o trees, herb understory always present, esp. beneath trees.

Trees large, some > 10m in ht.

ENVIRONMENT

range of slope: 0-15

o

primary vertical aspect: E and SE facing

general topographical position:

Hilltops and hillsides

location of exposed bedrock:

steep hillside of NW corner of field

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

UPLAND FIELD SURVEY

Date: 1 July

Field name: 130

Location: Greenhouse area

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

Ulm am	1	FRAM Bet pop	3
Pop trem	3	Corua flor	1
FRAM	1	Pin strob	1
JUVI	4		
Juni comm var depr.	3 (see shrubs)		
ACRU	e 3→4		
ACSA	e 3		
Prun ser	2		

Seedlings (< 1m standing ht.)

species list-abundance classes

JUVI	4	Juni comm	1
Pop trem	3	ACRU	1
QUBO	2	Prun ser	1
Ulm am	1	FRAM	2
		QUAL	1
		ACBA	1

conspicuously

Herbaceous species - dominant species

1. Androp scop	2.
3. Antho odo	4.
5. Sate mod	6.
7.	8.

others, unusual species

Lysim. quad. Rudb hirta, Achill mill, Chry leny, Vicia am
Dact glom, Pote. singh, Trif agr, Erig Gal, Erig ann, Trif prat.
Sisyr. Poa prat Pote recta Silene cucubalus Rumex
Juncus (tenuis?)

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<i>Humulus lup</i>	v	1	<i>Pyr malus</i> (tree)	s	1
<i>Parth quinger</i>	c	3	<i>Prun</i> sp <i>sp</i> <i>mahaleb</i>	s	1
<i>Mays aspl</i>	t	3	<i>Toxi rad</i>	c	1
<i>Cornu rac</i>	t	3	<i>Gayla baccata</i>	s	1
<i>Rhus glabra</i>	t	3	<i>Rhus sp. (Vernix?)</i>	s	1
<i>Rubus flag-type</i>	c	2	<i>Vacc (highbush)</i> <i>Corym</i> <i>cosum</i>	s	1
<i>Rosa mult-type</i>	s	2	<i>Loni morrow</i>	s	3
<i>Cornu anomum</i>	s	1	<i>Vib dent</i>	s	1
			<i>Vib lent</i>	s	3

Structure - description of overall abundance of different growth forms

and cover in the field

Heterogeneous shrub/herb matrix - hilltops mostly herb
w/ shrubs everywhere else Trees & seedlings common
throughout in hedgrows in depressions, abundant on
periphery of field. Soil bare in patches or w/ lichens

ENVIRONMENT

range of slope:

0-12

o

primary vertical aspect:

S facing

general topographical position:

(incl. hilltops)
Several hills divided by ephemeral streams or depressions
Steep in places, very heterogeneous

location of exposed bedrock:

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

UPLAND FIELD SURVEY

Date: 17 June

Field name: 177

Location: near greenhouse

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	e	3	
QUVE		1	
Corn flwr	e	1	

Seedlings (< 1m standing ht.)

species list-abundance classes

Prun ser		1	
Carya glabra		1	

conspicuously

Herbaceous species - dominant species

1. <i>Batis mol.</i>	2. _____
3. <i>Andr scop</i>	4. _____
5. <i>Sole sp.</i>	6. <i>Anth odo</i>
7. _____	8. <i>Phle prat</i>

others, unusual species

Pate recta, *Trif ugo*, *Dact glom*, *Lotus conicatus* Achill. mill
~~*Vicia*~~ *Chrylen* *Accl. sp.* *Stelgra* *Hier prat*
Erig sp., *Poa comp*, *Lepid comp* *Frag virg.*

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Rhus glabra</u>	s	1 3			
<u>Cornus rac</u>	S	3			
<u>Humulus lupulus</u>	S	1			
<u>Rubus sp.</u>	0	2			
<u>Toxicod</u>	0	3			
<u>Ligustrum boninense</u>	S	1			

Structure - description of overall abundance of different growth forms
and cover in the field

All herbs, w/ rare shrubs ($< 1m$ ht)
one small patch w/ QUVE, JUVE growing (~6m high)

ENVIRONMENT

range of slope: 0-5

0

primary vertical aspect: 0

general topographical position:

hilltop, flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

none

UPLAND FIELD SURVEY

Date: 17 June

Field name: 141

Location: near greenhouse, to the W

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	4	Alnus sp. 141-1	1
ACSA	2	Juniper sp. 141-3 comm?	1
QUVE	2	Qu alb	1
PRU Prun ser	2	Carya glabra	1
FRAM	1	Cornus flor.	1
ACRU	3	Qu. cor	1
Pop trem	1	Pyr mal	1
Bet pop	3	Prun sp 141-4	1

Juniperus communis
var. communis

→ (see shrubs)

Seedlings (< 1m standing ht.)

species list-abundance classes

QUBO	1	Carya glabra	1
QUVE	4	Pop trem	1
JUVI	2	ACRU	2 4
Prun ser	1	Bet pop	3
		Ulm amer	1
		Qu alb	1

Herbaceous species - dominantly

1. Andro scop
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

others, unusual species

Apo andro, Lycopodium complan, mosses + lichens, Prunus acet,
Frag virgin, Hier prat, Stell gra, British soldiers, Verb thap

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Vacc vac</u>	<u>S</u>	<u>2→1</u>	<u>Rhus glabra</u>	<u>S</u>	<u>3</u>
<u>Cornu rac</u>	<u>t/s</u>	<u>2</u>	<u>R. vib. pentago</u>	<u>41-2</u>	<u>S</u>
<u>Rubus sp ^{thripidus}</u>	<u>C</u>	<u>4</u>	<u>Cornu ^{Rhamnus} catharticus</u>	<u>S</u>	<u>1</u>
<u>Rosa mult.</u>	<u>s/c</u>	<u>2</u>	<u>Vib. dent</u>	<u>S</u>	<u>1</u>
<u>Vacc stan ang</u>	<u>S</u>	<u>2</u>	<u>Vitis sp.</u>	<u>V</u>	<u>1</u>
<u>Parth quing</u>	<u>C</u>	<u>1</u>			
<u>Rubus canad</u>	<u>C</u>	<u>1</u>			
<u>Toxi rad</u>	<u>C</u>	<u>3</u>			

Structure - description of overall abundance of different growth forms

and cover in the field

Trees predominant in field
Trees to 8m mostly in clumps, seedlings common throughout,
shrubs common, not in dense thickets, mostly low (up to 1.5m)

herb cover not complete w/ bare soil, lichens and mosses
in some spots esp. @ S end of field

ENVIRONMENT

range of slope: 0-20, 25

primary vertical aspect: East SE facing

general topographical position:

hillside

location of exposed bedrock:

scattered on hillside, located with exposed
mostly located in center and upper areas of hillside

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

UPLAND FIELD SURVEY

Date: 18 June

Field name: 510

Location: Knapp Dr.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.) e=located primarily on edges of field

species list-abundance classes

<u>Fram</u>	<u>1</u>		

Seedlings (< 1m standing ht.)

species list-abundance classes

<u>Ula. am.</u>	<u>3</u>		
Pop. (trem?)	<u>1</u>		
<u>510-1</u>	<u>1</u>		

Aronia
melanocarpa

conspicuously
Herbaceous species - dominant species

1. <u>Andro scop</u>	2. _____
3. <u>Gal. mol</u>	4. _____
5. <u>Anker. art</u>	6. _____
7. <u>Soli (alt?)</u>	8. _____

others, unusual species

Lotus, Silene, Dianthus, Trif. agr. + rep, ^{prat} Stell. gra, Pota. recta, Chry
Calis. stricta, Hier., Ascl. Rumex, Melilotus, Hypo sp, Eryg. sp, Bapt.?
Frag. v. g.

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Ligustrum <i>Lonicera morrowi</i>	S	2			
Rosa sp.	S	1			
Rubus sp.	E	1			
Cornus rac	S	3			

Structure - description of overall abundance of different growth forms
and cover in the field

Herb cover nearly complete, some areas bare w/ grass clumps
and lichens. Shrubs distributed throughout sparsely, none > 1m high
w/ single tree near road

ENVIRONMENT

range of slope: 0

°

primary vertical aspect: _____

general topographical position:

hilltop, flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Dumping area, cleared areas w/ burns nearby

UPLAND FIELD SURVEY

Date: 30 June

Field name: 719

Location: E of Petit Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

one turtle!

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	4	Pin stro Pin stro	1
QUBO	2	Jugl. nigra	1
QUAL	1	Junc. commun var. can depr.	1
Pop Trem	3 shrubs	FRAM	1
QUIL	2k	Rap p-a	1
ACRU	2	Betula lenta	1
ACSA	1	Prunus sp. Amelanchier sp. (shrub)	1
QUVE	2	Prunus virg (shrub)	1

Seedlings (< 1m standing ht.)

species list-abundance classes

Pop trem	3	Carya tomentosa	1
QUBO	2	ACSA	1
JUVI	4	FRAM	1
Prun var	1	Carya glabra	2
		Pin strobus	1
		Jugl. nigra	1

Herbaceous species - dominantly conspicuous species

- Andros Scop
-
- Antho odoratum
-
- Grass sp. - Agrostis tenuis
-
- Soti sp.
-

others, unusual species

moss, lichens, Dianthus armeria, Sisyr, Erig. sp. Trif ags.
Hier, Achil mill, Lysium quadrifolia

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<i>Rhus glabra</i>	s/t	3	<i>Juniperus communis</i>	s	1
<i>Myrica asplenifolia</i>	s/t	3	<i>Quercus</i>	s	2
<i>Rubus flag. type</i>	s	4	<i>Parthenocarpus</i>	c	3
<i>Crateagus sp.</i>	s	1	<i>Toxicaria</i>	c	3
<i>Rubus sp.</i>	s	1	<i>Vaccinium</i>	s	1
<i>Rosa sp.</i>	s	1	<i>Gaultheria procumbens</i>	s	1
<i>Cornus rac.</i>	t	2	<i>Rosa mult-type</i>	s	3
<i>Lonicera morrowii</i>	s	3	<i>Rubus allegh. type</i>	s	1
			<i>Elaeagnus argentea (comm)</i>	s	1
			<i>Rhamnus cathartica</i>	s	1
			<i>Viburnum prunifolium</i>	s	1

Structure - description of overall abundance of different growth forms
and cover in the field

Herb cover not complete, bare spots common in some patches
trees to 10m and seedlings prevalent, shrub cover patchy,
less common than seedlings ~~in~~ in field overall ~~but is~~

ENVIRONMENT

range of slope: 0-10 °

primary vertical aspect: W-NW facing

general topographical position:

~~Hard~~ mostly rolling, 2 ridges separated by flat area

location of exposed bedrock:

~~common~~ small outcrops widespread but sparse
usually w/ lichens

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Wall to S, also to E in woods
found old bottle

UPLAND FIELD SURVEY

Date: 30 June

Field name: 720

Location: E of Pettit Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	4→2	QUPR	e 1
ACRM	2	Prun ser	3
ACSA	3	QUPR	
QUVE	e 1	Juni comm var common	1 (→ see shrubs)
QUAZ	e 1	Juni Juglans nigra	1
QUBO	e 3	Cornus flor	1
QUIL (→ see shrubs)	2	Cornus	
CAGL	e 2		

Seedlings (< 1m standing ht.)

species list-abundance classes

ACRM	1	JUVI	2
CAGL	2	ACSA	1
FRAM	3	QUPR	1
Prun ser	1	QUBO	3
		Corylus am (720-1)	1

conspicuously

Herbaceous species - dominant species

1. Androp scop
2. _____
3. Andro odo
4. _____
5. unk grass (Dian spic?)
6. _____
7. ~~Dianthionia~~ ~~opercata~~ ~~Sparganium~~
8. _____

others, unusual species

Ferns, mosses, Hier, Rudbeck hirta, Chry lew, Hypo sp.
Apo androsaem, Dianthus, Rumex, Carex sp., Junco (tenuis?)
Cladonia crist + other lichen spp. Desmodium punctilobula

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

Juniperus com^s?
Crataegus sp s 1

Vib dent s 1
species list-xx-abundance classes

Vacc ~~star~~ *vacc* s 1

Prun mora s 1

Cornu rac t 2

Rubus flag-type c 4

Rhus glab s 3

Parth qu c 3

Myr asplen s 3

Grayluss bar s 1

Rham cathart s 1

Vitis sp. v 1

Lonic morrowi s 1

Humulus lup c 1

Berb thun s 1

Rosa mult. s 1

~~*Rubus*~~ *Rubus alag-type* s 1

Spir lat s 1

~~700~~ *Corylus am* s 1

Vib. dentasp s 1

Structure - description of overall abundance of different growth forms

and cover in the field

Trees in edge or field periphery except *Juniperus* (throughout)
(to ~~10~~ 10m)

Cover mostly herb, w/ shrubs and seedlings^{common} throughout
~~but in~~

ENVIRONMENT

range of slope: 0-10

o

primary vertical aspect: S facing

general topographical position:

NE-SW ~~ridge~~ ridge w of field center

location of exposed bedrock:

mostly in small patches on ridge

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

walls on all 4 sides

UPLAND FIELD SURVEY

Date:

30 June

Field name: 788

Location:

far E of Pettit Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	4	QUBO	3
QUIL (see shrubs)	2→4	Bet lenta	1
QUVE	2→4	QUAL	1
Bet pop	3	Pin strob	2
ACRU	2→1	Pop trem	1
ACSA	3		
Juni comm var comandpr (see shrubs)	2		
Cornu flor	1		

Seedlings (< 1m standing ht.)

species list-abundance classes

JUVI	4	ACSA	1
CAGL	1	FRAM	1
Pop trem	3	QUBO ?	3→4
Prun ring ser	1	Prun ser ACRU	2→4

conspicuously

Herbaceous species - dominant species

1. Andro scop
2. _____
3. Antho odo
4. _____
5. unk grass (see 720)
6. _____
7. ~~Antho odo~~ Danthonia
8. _____

others, unusual species

Carex; Rumex; Apoc andro;

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Rubus flag-type</u>	<u>c</u>	<u>3</u>	<u>Rosa mult</u>	<u>s</u>	<u>1</u>
<u>Spir lat</u>	<u>s</u>	<u>3</u>	<u>Vacc vac</u>	<u>s/t</u>	<u>2</u>
<u>Toxicod</u>	<u>c</u>	<u>3</u>	<u>Crataegus sp</u>	<u>s</u>	<u>1</u>
<u>Lonic mory</u>	<u>s</u>	<u>1</u>	<u>788-1</u>	<u>s</u>	<u>1</u>
<u>Cornu rac</u>	<u>t</u>	<u>3</u>			
<u>Rhus glab</u>	<u>t</u>	<u>3</u>			
<u>Rubus alleg-type</u>	<u>s</u>	<u>1</u>			
<u>Gayla bacc</u>	<u>t/s</u>	<u>3</u>			

Structure - description of overall abundance of different growth forms

and cover in the field

field matrix of shrubs and herbs, ground cover not complete (bare spots)
separated by thin rows of trees surrounding ridges
highly heterogeneous and amorphous

ENVIRONMENT

range of slope: 0-15 ° primary vertical aspect: SW facing

general topographical position:

Parallel NE-SW ridges, somewhat rocky

location of exposed bedrock:

common in small patches on ridges, ~~fine~~
to med. usually lichen covered

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Rusted bucket, walls

UPLAND FIELD SURVEY

Date: 30 June

Field name: 715

Location: E of Pettit Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

Rob p-a	3-4	QUBO	e	3
Pum ser	3	QUIL (see shrubs)	e	1
Juvi	4	QUCO	e	1
Carya glab	3	QUPR		
Bet lenta	1			
QUBO	e 3			
Jugl nigra	e 3			
QUVE	3			

Seedlings (< 1m standing ht.)

species list-abundance classes

Juvi	2	QUVE	3
QUPR	1	Jugl nigra	1
Rob p-a	3-4		
Pum ser	1		

conspicuously

Herbaceous species - dominant species

1. Andro scop	Agrostis sp	2.	
3. Soli typ.		4.	
5. another grass - Andropogon		6.	
7. Gali mol		8.	

others, unusual species

Rumex, Hier, Barb vulg, Pect glom, Dian arum, Carex, Panicum sp.
Apo andro, Rudb hirta

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Pyrus malus</u> (see trees)	s	1	<u>Horn lily</u>	s	1
<u>Toxic rad</u>	v/t	3	<u>Rubus flag type</u>	c	4
<u>Rosa mult.</u>	s	2	<u>Prun mar</u>	e	1
<u>Vib parviflora 715-1</u>	s	1	<u>Elae comm (Farg)</u>	s	1
<u>Rham cathart.</u>	s	1	<u>Berberis</u>		
<u>Coronilla</u>	t	3-4			
<u>Rhus glab</u>	t	3-4			
<u>Lonicera morrow</u>	s	1			

Structure - description of overall abundance of different growth forms

and cover in the field ^{abundant and present}
Shrub thickets ^v prevalent in herb matrix, trees also common
→ in large fraction of field

ENVIRONMENT

range of slope: 0-10

o

primary vertical aspect: SE facing

general topographical position:

hillslope to flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

barbed wire fence ~~to SW and S~~
is S border

UPLAND FIELD SURVEY

Date: 30 June

Field name: 714

Location: E of Pettit Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

Juglans nigra	1	
Rob Pse	4	
JUVI	2	
ACSA	2	
FRAM	2	
Prun ser	e 1	
Carya glabra	e 1	

Seedlings (< 1m standing ht.)

species list-abundance classes

ACRA	1	
JUVI	2	
Rob p-a	3	

conspicuously

Herbaceous species - dominant species

1. Bromus-type grass
- 2.
3. Soli sp.
- 4.
5. grass sp (see 715) Arrhenatherum elatius
- 6.
7. Soli sp
- 8.

others, unusual species

Phle prat, Linaria vulgaris, Rumex Cynanchum nigrum
Trif agr

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Lonicera moraeana</u>	<u>s</u>	<u>1</u>			
<u>Rhus glabra</u>	<u>t</u>	<u>4</u>			
<u>Cornus rac</u>	<u>t</u>	<u>3</u>			
<u>Rubus flag-type</u>	<u>c</u>	<u>2</u>			
<u>Rosa mult sp.</u>	<u>s</u>	<u>1</u>			
<u>Crataegus sp</u>	<u>s</u>	<u>1</u>			
<u>Geoth gungu</u>	<u>c</u>	<u>3</u>			

Structure - description of overall abundance of different growth forms

and cover in the field

Field dominated by large clonal pop. of Robinia and Rhus
Shrubs to 2m and trees to 10m account for ~~the~~ most of canopy
but patchy w/ herb understory

ENVIRONMENT

range of slope: 0-5

o

primary vertical aspect:

general topographical position:

mostly flat

location of exposed bedrock:

~~few~~ few v. sm. patches

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Huge garbage pile not far from Pettit Rd

398

UPLAND FIELD SURVEY

Date:

19 June

Field name:

UNNAMED

Location:

N of N Camroo Hill Rd

VEGETATION

lower field

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

JUVI	4	ACSA	1
Pop trem Prun ser	1	Tilia am	1
ACRU	4+2	Pop trem	3
Pin str	1		
Rob p-a	3		
QUBO	e 3		
Pin rig	e 1		
QuVE	e 3		

Seedlings (< 1m standing ht.)

species list-abundance classes

QUBO	1	Rob pa	1
Bot pop Prun ser	1	Pop trem	3
ACRU	1		
FRAM	1		

conspicuously

Herbaceous species - dominant species

1. Andr scop	2.
3. Soli sp.	4.
5.	6.
7.	8.

others, unusual species

Ascl. sp., Erigeron sp., Runc., Carex sp., Oxalis
Erag. vireg., Achillea, Silene cuc., Chry. lax, Pote simplex

No Galium!

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<i>Corylus roe</i>	t	2-4			
<i>Rubus</i> sp. (flag)	c	4			
<i>Lythrum</i> sp. <i>ionocera</i> mor	s	1			
<i>Spiraea</i> sp. <i>tomentosa</i>	t	3			
<i>Parth</i> sp.	c	3			
<i>Rhus</i> gl	v	3			
<i>hop Humulus</i> sp.	v	1			
<i>Toxic</i> rad	c/v	1			

Structure - description of overall abundance of different growth forms

and cover in the field

ground cover mostly mixed herbs and shrubs < 1m high
shrubs prevalent in S half and corners of field
Juniperus and *Acer rubra* in field, other trees in periphery
(to 8m high)

ENVIRONMENT

range of slope: 0

o

primary vertical aspect: 0

general topographical position:

Flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

none evident

460

UPLAND FIELD SURVEY

Date: 19 June

Field name: UNKNOWN

Location: N of N Cannoodill Rd, not far from
Fowler Rd. intersection

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

Juvl	2	ACRU	+e	3
Prun ser	2	FRAM	e	1
Qu bo	+e	Ham virg		1
Qu coc	1	Ulm am	e	1
Qu. UNK-7 prunus	1	Pop (grand)		3
Prunus strobus	1	Qu unk-7 illicifolia		1 (see shrubs)
Pin rigid	1	Ca gla	+e	1
Bet pop	3-4			

Seedlings (< 1m standing ht.)

species list-abundance classes

ACRU	3	Prun ser	1
QUBO	2	Rob p-a	1
Juvl	1	Pin rig	1
Pin strob	3	Bet pop	3-4
		Pop UNK-7 grand	3-4
		QUAL	1
		Qu UNK-7 illicifolia	1

Herbaceous species - dominant species

1. Andro scop	2.
3. grass - UNK-6 ^{Danthonia} Spicata	4.
5. Lys quad	6.
7.	8.

others, unusual species

Rumex, Hier, Frag virg, ~~Lys quad~~, Cladonia spp. (lichens), mosses
 Pote simplex Apocynum androsaemifol.

NO Galium!

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<i>Vacc. stam.</i>	nt	2	<i>Vacc. UNK-5</i> ^{Vacc. stam.}	s/t	2
<i>Vacc. vac</i>	ns	3	<i>Rosa sp.</i>	"v"	1
<i>Cornus rac</i>	t	3	<i>Cornus</i> <i>alt. Rham cuth</i>	s	1
<i>Rhus glab</i>	t	3	<i>Crat. sp.</i>	s	1
<i>Lonicera morrowii</i> → <i>Liqu sp</i>	s	2	<i>UNK-8 Myrica asplenifolia</i>		1 → 3
<i>Rubus sp. UNK-1</i>	c	4	<i>Symphoricarpa baccata</i>	s	3
<i>Rubus sp. UNK-2</i>	c	3			
<i>Toxic rad</i>	c/v	1			

Structure - description of overall abundance of different growth forms

and cover in the field

bluestem dominated field
Shrubs and seedlings prevalent in a matrix of herb plants. Trees to 8m high also common but not dominant, well dispersed throughout field, trees confined to edges and hedgerows

herb- mostly bluestem w/ some *Rubus*

ENVIRONMENT

range of slope:

0-10

°

primary vertical aspect:

NE

general topographical position:

hilltop, sloping to N, depression separating field along E axis, mostly flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Rock wall and fence to N and E of field

[? to other directions = woods]

Wall in woods to S

UPLAND FIELD SURVEY

Date: 14 June

Field name: 924

Location: northernmost E of S Cannon Hill Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

<u>Juni virg.</u>	2	<u>FRAM</u>	e	1
<u>ACRU</u>	3	<u>Qu. pr.</u>	e	1
<u>Prun ser</u>	2	<u>ACSA</u>		1
<u>Prun sp. (arg?)</u>		<u>Ulm. am</u>	e	1
<u>Qu. alb</u>	e 2	<u>Cor fl</u>		1
<u>Rob p-a</u>	1			
<u>Qu. br.</u>	+e 2			
<u>Bet. sp. (H. b.) lenta</u>	1			

Seedlings (< 1m standing ht.)

species list-abundance classes

<u>Juv1</u>	2	<u>Qu. alb</u>	1
<u>FRAM</u>	1	<u>Qu. br.</u>	2
<u>Rob p-a</u>	1		
<u>Carya ovata</u>	1		

conspicuously

Herbaceous species - dominant species

1. Andro scop.
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

others, unusual species Cystm. quadrif.

Aster prat., unkn flur., Vero ser., Achit mil., Red her.,
moss, lichens (Cladonia, "Br. sold." + other spp.)

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Vacc vac.	s/c	1→3	Vib dent	s	1
Vacc clam	s/c	1	Toxi rad	c	1
Rosaceous shrub	s	1	Rosa multi	s	1
Car rac	s	2			
Lig ^{Lonicera} morrowi	s	1			
Rhus glab	s	1			
Elae ang	s	3→1			
Prun virg	s	2			

Structure - description of overall abundance of different growth forms

and cover in the field

Many trees, to 10 m. Open field separated by a loose web/
network of trees. Shrubs cover low, mostly herb cover, or
in ^{some} ~~few~~ places. Shrubs mostly sparsely but widely distrib
w/in field

ENVIRONMENT

range of slope: 0-18

°

primary vertical aspect: S facing

general topographical position:

small hilltops, separated by 2 ponds & sm. stream between

location of exposed bedrock:

sparse ~~in~~ in area, but widespread
throughout field, esp hilltop

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Stone walls to N, E, and S

barbed wire on wall to S

utility line runs through SW corner

UPLAND FIELD SURVEY

Date: 14 June

Field name: 718

Location:

E of Cannon Hill Rd / Pettit Rd intersection

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

ACSA	3 → 3	Pop trem	e	1
Juni Virg	4	Coryl am	e (see shrubs)	1
Qu prin	3	Ulm am		1
ACRU	3	Corn flori		1
Qu bor	3	Qu al	e	1
Alnus 710-5 rugosa	1	Prun ser		1
Pinus rigida	+			
Qu rob	1			

Seedlings (< 1m standing ht.)

species list-abundance classes

ACSA	2	Carya glabra	1
ACRU	1	Ulm am	1
Juni	4	Prun ser	1
FRAM	1	Alnus (same sp. as 710-5) rugosa	3
		Qu alb	1

conspicuously

Herbaceous species - dominant species

1. Anth odo
2. _____
3. Soli spp.
4. _____
5. Andro scop
6. _____
7. _____
8. _____

others, unusual species

mass, Lycopod complanaty, Rumex acet, Lyco sp, Beta simplex, Hier prat.
Cirsium arvense, Solidago bicolor, Carex complanata s.l.

[lichens - Cladonia "sp."?] Equisetum arvens,
British soldiers

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,

v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

~~Vitis sp.~~ ~~"ampel"~~ ~~S~~ ~~1~~

Vacc. 710-1 (tall > 2m) S 1
Corymb

Vacc. 710-2 S 3

~~Lign. sp.~~ Lonicera morrowi S 1

~~Cornus alt. (= mac?)~~ S 1

Vacc. vac. 710-3 S 1

Cornus rac. t/s 2

Rhus gla S 3

Vacc. stam

Prun. 710-6 sp. S 1

Toxi. rad c/v 2

Rubus sp. S 1

Rhus vern? not sure S 1

Rosa mult c 2

710-4 "rose-like" S 3

Elae argentea (=comm) S 1

Juni. ~~hirs.~~ comm. var. lept. S/c 2

Urt. dent S 1

(not entered)

Spiraea latifolia

Structure - description of overall abundance of different growth forms

and cover in the field ^{some over 10 m!}
Trees dominant, very dense, predominately J. virginiana
shrub cover below, usually solitary or clumps, thickets rare
herbs abundant but eclipsed by woody plants, ~~usually grass~~
mosses & grasses dominant in herb veg.

ENVIRONMENT

range of slope: 0-30

0

primary vertical aspect: NW to W

general topographical position:

hilltop, hillside and flat low area below

location of exposed bedrock:

hillside, hilltop ~~mostly~~ mostly, some bedrock projecting
vertically out of till, lichen & moss coverage present

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

Rock wall to S and W by road

UPLAND FIELD SURVEY

Date:

14 June

Field name: 644

Location: W of Cannon Hill Rd / Pettit Rd intersection

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

ACSA	3	
JUVI	1	
Rob p-a	3	
Ulm am	1	
Pinus stro	e 1	
ACRU	e 1	
Prun ser	e 1	
ACRU	1	

Seedlings (< 1m standing ht.)

species list-abundance classes

ACSA	1	
Prun ser	1	
Rob p-a	1	
Qu, ber.	1	

conspicuously

Herbaceous species - dominant species

1. Andropogon
- 2.
3. ~~Solidago sp. (gigantea?)~~
- 4.
5. Solidago sp. (?)
- 6.
- 7.
- 8.

others, unusual species

↓ Lysim. quadrifol.
unkn flwr, Apo andro, Chry leu, Pote simplex, Stell gra, Lepid camp,
moss, Chry leu, Hier prot, Rumex ac, Carex sp.

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

<u>Rhus glabra</u>	<u>t</u>	<u>4</u>	<u>Elae ang.</u>	<u>S</u>	<u>1</u>	
<u>Rosa mult</u>	<u>c/s</u>	<u>2</u>	<u>"rose-like" (see 935)</u>	<u>S</u>	<u>3</u>	<u>Spiraea</u>
<u>Toxi rad</u>	<u>c</u>	<u>3</u>	<u>Voac vag see (935)</u>	<u>S</u>	<u>1</u>	<u>latifolia</u>
<u>Rubus sp 644-1</u>	<u>c</u>	<u>2</u>				
Ligustrum <u>Lonicera</u>	<u>S</u>	<u>1</u>				
<u>marrowi</u>						
<u>Cornu rac</u>	<u>s/t</u>	<u>4</u>				
<u>Rhamnus catharticus</u>	<u>S</u>	<u>1</u>				
<u>Vib dent</u>	<u>S</u>	<u>1</u>				

Structure - description of overall abundance of different growth forms

and cover in the field

shrub clumps primarily occupying field, w/ spaces of herb. cover
in particular areas (patchy, but large) - Trees in clumps mostly
toward periphery of field, w/ 2 major ~~the~~ rows crossing field,
up to 10m

ENVIRONMENT

range of slope: 0-5

0

primary vertical aspect: none

general topographical position:

hilltop, fairly flat

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

wall to N

UPLAND FIELD SURVEY

Date: 13 June

Field name: 937

Location: just e of S. Cannon Hill Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

Sassafras	abundant	1
Juni virg	2	Bet. pop 1
Frax am	4	Ayr. mal. 2
Corn fl	1-2	Ulm rub (937-5) 1
Acer sac	4	Qu. lucida vel! definite 1
Prun ser	2	937-6 Prun? Amelanchier 1 see shrubs
Acer rub	2	Qu. cocc. definite 1
Q. alb e	1	Qu. bore. definite 1
Ulm. am te	3	Rob p-a (< 2m) 1

Seedlings (< 1m standing ht.)

species list-abundance classes

FRAM	2	Rob p-a 1
Prun ser	1	Qu. bore. Qu. alb. bore.? 1
Prun virg → see shrubs	1	Pop. trem. 1 (single patches)
Acer rub	2	Juni virg 1
		Car mas = Rhamnus 1
		Acer sac catharticus 1

Herbaceous species - dominantly conspicuous

- | | |
|--------------------|----------|
| 1. Soli alt. / sp. | 2. _____ |
| 3. Andro sco | 4. _____ |
| 5. Antho ado | 6. _____ |
| 7. S. rugosa? | 8. _____ |

others, unusual species

Pote necta, Trif. agr., Prun vulg., Rudb. kirt, Hier prat, Anop pers
 Dian arm, fern (?), Penst (dig.)^{yes}, Ran acr, Ger, mac.
 Trif. (red) Pote simplex, Apo andro, Ach mill
 → Onoclea sensibilis
 Lysimachia quadrifolia
 Hyper. perf.

Prunus sp. (barney) s 1

Prunus sp. s 1

Cornus am s 1

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Toxi rad	t/v	2
Parth qu	t/v	2
Liquif Lonicera morrowi	s	1
Cornu rae	t	4
Vitis sp	v	1
Rhus gla	t	3→1
Cornu mas Rhamnus catharticus	s	2
Rosa mult	s/c	2

~~Amelanchier sp~~



Hamamelis lupulus

Rubus sp.	s	3
Elaeagn comm 937-3	s	2
Vi dent 937-1 ✓	s	1
Amelanchier sp. 937-2	s	1
hac 937-4 Spiraea latifolia	s/t	3
Berberis thun	s	1
Crataegus sp.	s	1
937-7 Prun virg.	s	1

Structure - description of overall abundance of different growth forms

and cover in the field

Trees to 10m extremely common throughout landscape, shrubs to 4m also common. Woody plants predominate landscape, herb cover matrix present.

Trees in prominent N-S ACSA-FRAM hedgerow, also in clumps or solitary everywhere, widespread

ENVIRONMENT

range of slope: 0-25

o

primary vertical aspect: W

general topographical position:

flat wet fittop areas, w/ prominent N-S ridge @ E end of field. Hill on NW corner of field w/ steep slope, otherwise flat to rolling topography

location of exposed bedrock:

hillside and hilltop @ NW corner, SW corner, British solonchale bedrock

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

abandoned, raked-out auto stone wall to N, E, and S, Cannon Hill Rd to W

UPLAND FIELD SURVEY

Date: 13 June

Field name: 935

Location: N-most field just E of S Camso Hill Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

✓ <u>AE RU</u>	<u>3</u>	✓ <u>Plot sec.</u>	<u>1</u>
✓ <u>Ulm am</u>	<u>1</u>	✓ <u>Pop. trem.</u>	<u>1→3</u>
✓ <u>Corn fl</u>	<u>1</u>	✓ <u>Pop. trem. Qu alb e</u>	<u>3</u>
✓ <u>FRAM</u>	<u>2</u>	✓ <u>Qu cocc</u>	<u>1</u>
✓ <u>JUVI</u>	<u>3</u>		
✓ <u>Prun ser</u>	<u>2</u>		
✓ <u>Qu bor</u>	<u>2</u>		
✓ <u>ACSA</u>	<u>2-3</u>		

Seedlings (< 1m standing ht.)

species list-abundance classes

✓ <u>FRAM</u>	<u>2</u>	✓ <u>Prun ser</u>	<u>1</u>
✓ <u>Qu bor</u>	<u>1</u>	✓ <u>Carya ovata</u>	<u>1</u>
✓ <u>AE RU</u>	<u>1</u>	✓ <u>ACSA</u>	<u>1</u>
✓ <u>935-2 Ulm. am</u>	<u>1</u>	<u>Cor mas</u>	<u>1</u>

conspicuously

Herbaceous species - dominant species

→ Rhamnus catharticus E

1. <u>Andro scop</u>	2. _____
3. <u>Soli spp</u>	4. _____
5. _____	6. _____
7. _____	8. _____

others, unusual species

Phle prat, Ascl. sp, Trif prat, Lotus corn, Carex spp., Pont. spi (dig?) MRS
Frag virg, Rum ac, Erig annuus

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Trifolium ^v <i>Lonicera</i> <i>marroani</i>	S	1	^v <i>Parth qu</i>	C	1
✓ <i>Rosa mult</i>	C/S	2	(935-3) <i>Vib. dent. P. (935-3)</i>	S	1
✓ <i>Vitis sp.</i>	V	1	<i>Pyr. mal. (see trees)</i>	S	1
✓ <i>Prun virg</i>	S	1	✓ <i>Rubus sp</i>	C	3
✓ <i>Toxi rad</i>	t	3	✓ <i>Berb. thun</i>	S	1
✓ <i>Hamulus</i> <i>lupulus</i>	V	1	✓ <i>Clasgo comm</i>	S	1
✓ <i>Rhus glab</i>	t	3	✓ <i>Cornu rac</i>	t	2
Cornus 935-1 <i>Thorny</i>	9	1	✓ <i>Rhamnus cath</i>	S	1

Structure - description of overall abundance of different growth forms

and cover in the field

primarily trees to 6m in herb matrix, some shrub cover
but patchy. Hedgrow along ridge to hill, *Juniperus*
somewhat dense on sand ~~exposures~~ exposures of hill

ENVIRONMENT

range of slope: 0-30 °

primary vertical aspect: S, also ~~E~~

general topographical position:

flat w/low areas, on hilltop, N-S ridge leads up to hilltop

location of exposed bedrock: on N-S ridge and hill, sparse
some moss cover, British soldiers

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

rock walls to S, W, and E
rock wall in woods to N

2 cut *Juniperus* stumps, w/in last 10 yrs, probably

UPLAND FIELD SURVEY

Date: 12 June

Field name: 904

Location: 12 of S. Cannon Hill Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

✓ <i>Juni vit.</i>	2	✓ <i>Acer ginnala</i>	
✓ <i>Acer rub.</i>	3 → 4	904-3 (<i>Acer</i>)	1
✓ <i>Ulm am</i>	2	✓ <i>Rob p-a</i>	3
✓ + <i>Prun ser</i>	3	<i>Acer spic</i> 904-4	
✓ <i>Acer saccharinum</i>	1	✓ <i>Querc bor</i> e	1
<i>Acer sp.</i> e	1	<i>Prun</i>	
✓ <i>Cornu flor</i> 904-2	1		
✓ <i>Pinus strobus</i>	1		

Seedlings (< 1m standing ht.)

species list-abundance classes

✓ <i>Acer sac</i>	1	✓ <i>Rob p-a</i>	1
✓ <i>Prun ser?</i>	1	✓ <i>Juni virg</i>	1
✓ <i>Ulm am</i>	1	✓ <i>Quercus "porealis"</i>	1
✓ <i>Frax am</i>	1	✓ <i>Ham virg.</i>	1

conspicuously

Herbaceous species - dominant species

1. <i>Andro sp</i>	2.
3. <i>Gali mol</i>	4.
5. <i>Solid rug</i>	6.
7. <i>Cynanchum nigrum</i>	8.

others, unusual species

dense *Cynanchum nigrum*, *Sisyr. sp.*, *Trif agr*, *Chry lon*, *Silene cucu*,
Lepid camp, *Carox sp.*, *Stell gra*, *Dian. arm*, *Panicum sp.*

Hyss. perf., *Cent mac*, *Solidago* ^{sp. th.} *bicolor*



Arabis glabra

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

✓ Ligustrum <i>Lonicera morrowi</i>	S	1	✓ <i>Rosa</i> mult	<i>Rosa</i> sp.	S	1
✓ <i>Vitis</i> sp.	V	1	→ 904-4	<i>Amelanchier</i> ?	S	1
✓ <i>Cornus</i> <i>Rhamnus cathartica</i>	S	1	<i>Prun</i> virg-		S	1
✓ <i>Rubus</i> sp.	C	2	<i>Toxi</i> rad	e	C	1
✓ <i>Rhus</i> gla ^{and (dead thickets)}	t	2	<i>Vib</i> lentago		S	1
✓ <i>Cornus</i> rac	t/s	4	<i>Berber</i> vulg		S	1
<i>Cornus</i> 904-4	S	1	<i>Parth</i> qui & <i>Hun</i> lup		C	1
✓ <i>Berberis</i> thun	S	1	<i>Vib</i> dent		S	1

Structure - description of overall abundance of different growth forms

and cover in the field

(up to ~~20~~ (8) m)
shrubs prevalent in much of field, trees also common throughout field periphery, esp. NW corner where they are very abundant

ENVIRONMENT

range of slope: 0-10

0

primary vertical aspect: S

general topographical position:

Facing hillside with flat, level ground on top. Level area also lower, nearby creek.

location of exposed bedrock:

none

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

rock wall in hedgerow to N, also in woods to N and W

UPLAND FIELD SURVEY

Date: 11 June

Field name: 957

Location: e of S Cannoo Hill Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant ~~5) sparse?~~

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

✓ <u>Juni. Virg</u>	2	✓ <u>Acer rub</u>	1
✓ <u>Prun. ser</u>	1	→ 957-4 e	1
✓ <u>Frax. am</u>	2	✓ <u>Tuglans. nig</u> e	1
✓ <u>Acer sac</u> +e	1		
✓ <u>Querc. alb</u>	1		
✓ <u>Rubi. p-a</u>	3		
✓ <u>Ulm. am</u>	1		
✓ <u>Prun. ser?</u> (see 955)	1		

Seedlings (< 1m standing ht.)

species list-abundance classes

✓ <u>Frax. am</u>	1	<u>Acer sac</u> e	1
✓ <u>Prun. ser</u>	1	957-5	1
✓ <u>Rubi. p-a</u>	3		
✓ <u>Acer rub</u>	1		

conspicuously

Herbaceous species - dominant species

1. Gali. mol
2. _____
3. Soli. rug / spp.
4. _____
5. Andro. sc (S. dom)
6. _____
7. _____
8. _____

others, unusual species

Stellaria graminea, Rumex acetosella, Hier. pss, Carex (las. sul.?)
Cyananchem. nigrum, Phle. pra, Agro. rep, Poa spp. Lotus corn.
Alliaria off (e) S. juncea Saponaria officinalis
Agastache foeniculum

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

✓	Ligustrum <i>Lonicera</i>	t/s	4	✓	<i>Vitis</i> sp.	c	✓	1
✓	<i>Cornus</i> rac	t	3	✓	<i>Rubus</i> allegh.-type	c	✓	1
✓	Cornus <i>Rhamnus</i>	S	1					
✓	→ 957-2 <i>Ligustrum</i>	S	1					
✓	<i>Rubus</i> 957-3 sp.	c	2					
	Panicum <i>Sar</i>							
✓	<i>Quercus</i> gla	S	3					
✓	<i>Rosa</i> mult.	c	1					

Structure - description of overall abundance of different growth forms

and cover in the field

Shrub thickets up to 3m, dense *Lonicera* primarily in W end of field
Sparse trees except in E end of field, esp. NE corner, where shrubs also
form large clumps.

10x10m Bare soil, grass, moss patch

Trees ≤ 8-10m

dense *Robinia* clump in SE corner

Some shrubs interspersed w/in herb canopy

W end of field beyond barbed wire ~~distinct~~ from rest of vegetation

ENVIRONMENT

range of slope: 0-10

primary vertical aspect: W

general topographical position:

flat hilltop sloping down to W

location of exposed bedrock:

1 small patch in each of E & W ends of field
little or no lichen cover, no moss

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

rock wall, barbed wire @ E end, barbed wire fence crosses W third
of field, old refrigerator, engine? nearby (W of fence)
some barbed wire on SW extreme, also old buckets found

dirt road to N of field

UPLAND FIELD SURVEY

Date: 11 June

Field name: 469

Location: E. of S. Cannon Hill Rd.

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

✓ <u>Prunus ser</u>	2	✓ <u>Ulmus amer.</u>	1
✓ <u>Juni. virg</u>	2	✓ <u>Qu. bar. (see 972)</u>	1 → 3
✓ <u>Acer rub</u> e	3	✓ <u>Acer sacc. e</u>	3
✓ <u>Qu. cocc. (see 972) e</u>	3	✓ <u>Corn. flor.</u>	1
✓ <u>Qu. alb. (alba?)</u> ^{Yes}	3	✓ <u>Frax. am. e</u>	1
✓ <u>Qu. vel. (see 972)</u>	1	<u>Rhamnus catharticus</u> → shrubs	3
<u>Qu. alb.</u>		✓ <u>Carya. ovata</u>	1
<u>Amelanchier</u> ⁹⁶⁹⁻² <u>shrub</u>		✓ <u>Qu. prinus</u>	1

Seedlings (< 1m standing ht.)

species list-abundance classes

✓ <u>Frax. am.</u>	2	✓ <u>Qu. bar. (see 972)</u>	1
✓ <u>Prun. ser?</u>	1	✓ <u>Crataeg. spp. → shrubs</u>	1
✓ <u>Acer rub</u>	3	✓ <u>Qu. alb.</u>	1
✓ <u>Qu. cocc. (see 972)</u>	1	✓ <u>Ulm. am.</u>	1

conspicuously

Herbaceous species - dominant species

1. Gali. mol
2. _____
3. Androp. scop.?
4. _____
5. _____
6. _____
7. _____
8. _____

others, unusual species

Rubus hisp. moss lichens Lotus, Chry. len. Pote. simplex
Gali. sp., Ranunc. acr, Carex sp., Penst. (dig?), Erig. ann,
Cirs. per., Sisyr. sp., Phle. prati (Brassica sp.?) Frag. virg. (yucca!)
Frit. agr.

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Ligustrum <i>Lonicera morrowi</i>	s	1	<i>Barb-thun</i>	s	1
<i>Rosa</i> sp.	s	1	<i>Vacc. 969-3</i>	var <i>angustifolia</i>	1
<i>Cornus rac</i>	t	3			
<i>Rosa mult</i>	v/c	1			
969-3 <i>Prun virg</i>	s	1			
<i>Rhus glab</i>	t	1			
<i>Taxi rad</i>	c	3			
969-4 <i>Apocynum androsaemifolium</i>	s	1			
(herb)					

Structure - description of overall abundance of different growth forms

and cover in the field

sparse areas where veg. cover is absent, veg. cover mostly herb
some shrubs in small thickets or localized in area
Trees almost always near edges (exc. *J. pernans*)

ENVIRONMENT

range of slope: 0-10

o

primary vertical aspect: S facing

general topographical position:

mostly flat; rolling w/ low areas

location of exposed bedrock:

primarily ne and se corners of field - mosses & lichens
end

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

UPLAND FIELD SURVEY

Date: 11 June

Field name: 472

Location: e of S Conness Hill Rd

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> 1m standing ht.)

e=located primarily on edges of field

species list-abundance classes

✓ <u>Prunus ser</u>	3	✓ <u>Acer rub</u>	1
✓ <u>Juni vrbg</u>	2	✓ <u>Acer sac</u>	1
✓ <u>Querc alb</u>	1	✓ <u>Rob p-a</u>	3 → 1
✓ <u>Qu bor"</u>	1	✓ <u>972-4 Prunus sp?</u>	1 = shrub
✓ <u>Qu vel"</u>	3	✓ <u>Qu coc.</u>	1
✓ <u>972-2 Amelanchier 2</u>	1	✓ <u>Pyrus malus</u>	3
✓ <u>972-3 Viburnum dentag</u>	1	<u>Sassafras albidum</u>	1
✓ <u>Cornus Florida</u>	1		

Seedlings (< 1m standing ht.)

species list-abundance classes

✓ <u>Prun ser</u>	3	→ <u>972-2</u>	1
✓ <u>Querc alb</u>	1	<u>"Querc bor."</u>	2
<u>972-3</u>	1	✓ <u>Rob p-a</u>	3
✓ <u>Frax am</u>	1	✓ <u>"Querc vel"</u>	1

conspicuously

Herbaceous species - dominant species

1. <u>Andro scop</u>	2. _____
3. <u>Anthr odo</u>	4. _____
5. <u>Gali moll</u>	6. _____
7. <u>(Ach. mill?)</u>	8. _____

others, unusual species

Panicum 972-3 on bedrock, moss, Ach mill, Carex sp., Verb thap
Ambro. art., Rum acet, Soli spp. Potentilla sp. simplex

Shrubs and vines - t= shrub thicket, s= solitary shrub clumps,
v= climbing vines, c= creeping vines or shrubs

species list-xx-abundance classes

Vib lent

Rubus malus				✓ Parth qu	ch	1
✓ Rubus Rhamnus catharticus	S	1		✓ Cornu roc	t	2 4
✓ Rosa mult.	v/c	1		✓ Rhnus glab	s	1→3
✓ → 072-1 Ligustrum	S	1		✓ Vit is sp	V	3
✓ Ligustrum Lonicera morrowi	S	1		✓ Vib "dent"	S	1
✓ Vacc ang	S	1		✓ Herb. thum	s	1
✓ Rosa sp	C	1		✓ Rubus sp	c	3
✓ Taxirad	v/c	3		Amelanchier sp	S	2

Structure - description of overall abundance of different growth forms

and cover in the field

Trees up to 8m, mostly $\leq 5m$ dominant, either sparsely local or solitary and widespread, scattered throughout field. Shrubs patchy and relatively sparse overall. Herb cover mostly grasses, esp. around trees, but not in shrub thickets.
 esp. E & SW corner in distrib.
 over shrubs
 few thickets

ENVIRONMENT

range of slope: 0-30, 35

primary vertical aspect: due W
also S and E

general topographical position:

hilltop w/ slopes on 3 sides, mostly flat except W facing bedrock w/ steep slope below.

location of exposed bedrock:

v. lg. outcrop @ W end, sparse areas dispersed throughout rest of field

HISTORY

field data - description of evidence of past use (barbed wire fences, stone walls)

small mammal traps all over, apple trees
Rock walls visible to S, W, and N, also present to E in woods

UPLAND FIELD SURVEY

date: 10 June

lens
knife
marker
mask tape

Field name: 955-956

Location:

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density
3) few local patches 4) abundant

Trees (> than 1m standing ht.)

species list-abundance classes

✓ <i>Fraxinus americana</i> +e 2	✓ <i>Quercus prinus</i> 1
✓ <i>Acer</i> ? (<i>Fraxinus</i> ?) 955-71	✓ <i>Acer rubrum</i> +e 2
✓ <i>Juniperus</i> 2	✓ <i>Acer saccharum</i> +e 2
✓ <i>Ulmus americana</i> +e 2	✓ <i>Quercus rubra</i> 1
PRSE → <i>Prunus</i> Unknown 2 possibly also serotina 1	
→ <i>Prunus</i> Unknown 3 (=serotina) 2	
✓ <i>Robinia pseudo-acacia</i> 3	<i>Acer saccharum</i>

Seedlings (< than 1m standing ht.)

species list-abundance classes

✓ <i>Frax am</i> 2	✓ <i>Quercus alba</i> 1
✓ <i>Acer rubrum</i> 1	<i>Prunus</i> 2 <i>Prunus ser</i> 1
✓ <i>Juniperus vira</i> 1	<i>Prunus</i> 3
✓ <i>Robinia p-a</i> 3	

Herbaceous species - dominant spp. in order of approximate relative importance

1. <i>Andros scop</i>	2. _____
3. <i>Asplen moll</i>	4. _____
5. <i>Solidago spp.</i>	6. _____
7. _____	8. _____

- others, unusual species

Carex spp. *Dianthus* *Prunella* *Silene* *Achillea* *Rubus hispidus*
lasiocarpa sensu lato *armaria* *acetosella* *cacubalus* *Poa pratensis*

shrub thicket = solitary clump = climbing vine = v
 creeping vine or shrub = c

Shrubs - thicket=t, solitary individual=s

species list-t/s-abundance classes

✓	Rubus sp.	c	2	_____	_____	_____
✓	Ligustrum ^{Lonicera} sp ^{morrowi}	s	2	_____	_____	_____
✓	Rhus glabra	t	3	_____	_____	_____
✓	Cornus racemosa	t	3 4	_____	_____	_____
(see trees)	Prunus ser	s	1	_____	_____	_____
✓	Toxicodendron rad	t	1	_____	_____	_____
	Rubus	s	1	_____	_____	_____
	Corn sm	s	1	_____	_____	_____

Structure - description of overall abundance of different growth forms in the field:

(≤10m) trees mostly confined to edges and depression except on E corner of field.
 Shrubs well dispersed among the herb cover, ~~clump~~ forming a loose matrix w/in dense herbaceous plants

Shrubs sparse w/in herb matrix

ENVIRONMENT

range of slope: 0-17° range of vertical aspect: Sand E facing

10° depression in ctr
 general topographical position:

hilltop sloping to E and S to streams, bisected in N-S direction by a depression (slope 10°)

exposed bedrock (x) some on E facing steep slope w/ superficial moss & lichens to extreme NE corner

HISTORY

field data - description or presence of evidence of past use (walls, fences, barbed wire, ect.)

rock wall, barbed wire @ N edge of field

Past ownership:

UPLAND FIELD SURVEY

date: 10 June

Field name: 960

Location:

VEGETATION

abundance classes: 1) rare 2) widespread, but in low density

3) few local patches 4) abundant e located primarily on edges

Trees (> than 1m standing ht.)

species list-abundance classes

✓ <i>Juniperus virg.</i>	2	✓ <i>Acer rubrum</i>	2
✓ <i>Fraxinus amer.</i>	1		
✓ <i>Quercus alba</i>	1		
✓ <i>Quercus (960-4) velutina</i>	1		
<i>Frax. (960-5) americana</i>	1		
✓ <i>Cornus florida</i>	1		
✓ <i>Quercus (960-7) borealis</i>	1		

Seedlings (< than 1m standing ht.)

species list-abundance classes

✓ <i>Frax. amer.</i>	3		
✓ <i>Acer rubrum</i>	1		
✓ <i>Juniperus</i>	1		

Herbaceous species - ^{conspicuously} dominant spp. in order of approximate relative importance

1. <i>Cornus racem.</i>	<i>Galium mollugo</i> (960-2)	2. <i>Antho. odor.</i>	4. <i>Rubus hisp.</i>
3. <i>Solid. rugosa</i> (960-1)		6. <i>Frag. virg.</i>	
5. <i>Andropogon scoparius</i>		8. _____	
7. <i>Toxicodendron</i>			

- others, unusual species

Trif. agr., *Ascl. sp.*, *Hier. prat.*, *Lunex sp.*, *Pote. recta*, *Rubus hisp.*
Hyper. perf., *Achillea*

widsp. patchy

Shrubs - thicket=t, solitary individual=s
 and vines
 species list-t/s-abundance classes

shrub
+clumped
climbing
vine
creeping vine or shrub

✓ <i>Cornus racemosa</i>	t	4
✓ Lonicera <i>Lonicera marroani</i>	s	2
✓ <i>Prunus</i> (760-3) <i>serotina</i>	s	2
✓ <i>Rhus glabra</i>	s/t	3
✓ <i>Vaccinium</i> (760-6) <i>vac.</i>	s	1
✓ <i>Vitis</i> sp. (<i>V. vulpina</i> ?)	v	1
✓ <i>Rubus</i> sp.	c	4
✓ <i>Toxicodendron radicans</i>	c	4

<i>Berberis thun.</i>	s	1
<i>Rosa multiflora</i>	s	1
<i>Hamulus lycopodium</i>	s	1

Structure - description of overall abundance of different growth forms and cover in the field:

trees - widely scattered indiv. → 8m ht. no corner w/ highest density, well mixed herbaceous and shrub layer 1m in ht, appearing in a locally even distribution rare tree seedlings, high total ground cover
 Shrubs sparse to common in herb material
 herb mixed grasses & forbs

ENVIRONMENT

range of slope: 0-12, 15 °

range of vertical aspect: primarily S-W facing slopes

general topographical position:

largely hilltop and ~~upper~~ ^{upper} mid slopes

location of → exposed bedrock (x) eastern edge near moss/lichens, northern ~~corner~~ ^{toward city} edge

HISTORY

field data - description or presence of evidence of past use (walls, fences, barbed wire, ect.)

on map - stone wall location

Past ownership:

major