

PLOT 53

LOCATION: 78 m from western edge of Grid Square #: 53

SITE VARIABLES:

SLOPE: 4° ASPECT: 186° POSITION: midslope and local depression

SURFACE WATER: none

LITTER DEPTH: 1.00 cm EXPOSED BEDROCK: no

SOIL SERIES (mapped):

SOIL pH:

VISUAL EVIDENCE OF: LOGGING: no
GRAZING: yes
STONE WALLS: no
FIRE: no
RECENT WINDTHROW: no
MOUNDS & PITS: no

not in - unmatched

AGES OF DOMINANT TREES: 27.9 cm QUBI : years

CANOPY HEIGHT: 18.9 m % SKY VISIBLE: 12.0

COMMENTS:

HYDROLOGY:

Wetland about 30 m to the south. Southern edge of plot was wetter.

SOILS:

Soils were deep, slightly stony, poorly to moderately drained.

HISTORY:

Stone wall nearby (about 30 m to the north) and *Juniperus virginiana* suggests pasturing.

STAND CONDITION:

The largest *Quercus velutina* was mostly rotten and had lots of dieback. The *Juniperus virginiana* was being shaded out by the dense canopy of hardwoods. *Fraxinus americana* mortality was evident.

ADDITIONAL COMMENTS ON THE SITE:

Dense layer of shrubs and saplings. Stone wall nearby. No stumps in plot.

VEGETATION STRUCTURE AND COMPOSITION:

TREES: Stems > 10 cm DBH, by canopy position.

SPECIES	CANOPY		SUB-CANOPY		UNDER-STORY		STANDING DEAD		DEFOLIATED	DIE BACK
	%D	%BA	%D	%BA	%D	%BA	%D	%BA	%	%
QUVE	67	82	38	36	0	0	0	0	0	100
JUVI	17	9	31	36	67	49	0	0	0	0
ACRU	0	0	8	7	0	0	0	0	0	0
CAGL	0	0	8	7	33	51	0	0	0	0
FRAM	0	0	0	0	0	0	100	100	0	0
QUBI	17	9	0	0	0	0	0	0	0	0
ACSA	0	0	8	8	0	0	0	0	0	0
ULAM	0	0	8	5	0	0	0	0	0	0
TOTALS:	DENSITY / HA	120	260	60	20	0	40			
	BASAL AREA (M2) / HA	13.3541	4.3279	0.9755	0.1765					

TOTALS FOR LIVE TREES: (All stems > 10 cm DBH; all canopy positions)

DENSITY / HA : 440.0
 BASAL AREA / HA: 18.6575 m² OK
 % WITH DEFOLIATION: 0.00
 % WITH DIEBACK: 9.09

SAPLINGS: Densities per hectare of all stems > 1 m height and < 10 cm DBH.

SPECIES	SIZE CLASSES (cm)					TOTAL
	0 - 2	2 - 4	4 - 6	6 - 8	8 - 10	
HAVI	400	40	0	0	0	440
ACRU	200	80	40	40	0	360
QUVE	0	120	160	200	80	560
ULAM	0	80	120	0	0	200
FRAM	200	0	40	0	0	240
FAGR	40	0	0	0	0	40
CAGL	0	40	0	40	0	80
QURU	0	0	40	0	0	40
AMSP	40	0	0	0	0	40
ACSA	0	40	0	40	0	80
JUVI	40	80	0	0	40	160
CACA	40	0	0	0	0	40
CADV	160	120	0	0	0	280
TOTALS:	1120	600	400	320	120	2560

total OK

FRA

SEEDLINGS: Densities (per m^2) of stems < 1 m tall.

SPECIES	DENSITY ($\#/m^2$)
CSA 0 FRAM	2.750
ACRU	0.500
TOTAL:	3.250

SHRUBS: Percent cover of shrub species within the stand.

SPECIES	% COVER
CORRAC	29.800
PARQUI	1.550
ROSMUL	0.400
TOTAL:	31.750

HERBACEOUS SPECIES AND THE FOREST FLOOR: Percent cover (note: + means < 1 %).

	% COVER
Litter layer	97.875
Exposed rock	+
Bryophytes	+
Lichens	+
Dead wood	1.249
Unknown seedlings	+
Tree boles	+
dead wood over	1.875
Arisaema triphyllum	+
Fragaria virginiana	+
Juncus sp.	+
Veronica officinalis	+

Plot

number
all
way

mini

OK