

PLOT 252

LOCATION: 77 m from western edge of Grid Square #: 252
 DATE SAMPLED: 8/7/84

SITE VARIABLES:

SLOPE: 17° ASPECT: 0° POSITION: midslope
 SURFACE WATER: none
 LITTER DEPTH: 3.13 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

AGES OF DOMINANT TREES: 19.5 cm Acer rubrum : years

CANOPY HEIGHT: 10.0 m % SKY VISIBLE: 8.0

COMMENTS:

HYDROLOGY:
 Site is well drained.

SOILS:

HISTORY:
 Site was probably pastured.

STAND CONDITION:
 Stand is very young.

ADDITIONAL COMMENTS ON THE SITE:
 Plot center was offset to 77 to avoid patch open field. Understory consisted mostly of Cornus racemosa. Herb layer consisted of a lot of moss.

VEGETATION STRUCTURE AND COMPOSITION:

TREES: Absolute density and basal area of stems > 10 cm DBH, by canopy position.

SPECIES	CANOPY		SUB-CANOPY		UNDER-STORY		ALL STEMS	
	DENS	BA	DENS	BA	DENS	BA	DENS	BA
Acer rubrum	0	0.000	500	6.634	0	0.000	500	6.634
Cornus florida	0	0.000	20	0.261	0	0.000	20	0.261
TOTALS:								
DENSITY / HA	0		520		0		520	
BASAL AREA (M2) / HA		0.0000		6.8951		0.0000		6.8951

TREES: Relative density and basal area of stems > 10 cm DBH, by canopy position; and overall species importance values (mean of overall %D and %BA).

SPECIES	CANOPY		SUB-CANOPY		UNDER-STORY		ALL STEMS		IMPORTANCE VALUE
	%D	%BA	%D	%BA	%D	%BA	%D	%BA	
Acer rubrum	0	0	96	96	0	0	96	96	96.18
Cornus florida	0	0	4	4	0	0	4	4	3.82

TREES: Size class distribution of trees tallied in the 1/20 ha plot.

SPECIES	SIZE CLASS (cm)								
	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	> 50
Acer rubrum	22	3	0	0	0	0	0	0	
Cornus florida	1	0	0	0	0	0	0	0	
TOTALS	23	3	0	0	0	0	0	0	0

TREES: Absolute density (per ha) and relative density (as % of density of live trees) of standing dead trees and trees with upper branch dieback

(NOTE: "% OF LIVE" = 999 indicates no live trees of that species in the plot).

SPECIES	STANDING DEAD		BRANCH DIEBACK	
	DENSITY	% OF LIVE	DENSITY	% OF LIVE
Acer rubrum	0.0	0.00	0.0	0.00
Cornus florida	0.0	0.00	20.0	100.00
TOTALS:	0.0	0.00	20.0	3.85

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	
Acer rubrum	1200	1120	1200	360	120	4000
Acer saccharum	120	40	40	0	0	200
Juniperus virginiana	0	0	40	0	0	40
TOTALS:	1320	1160	1280	360	120	4240

SEEDLINGS: Densities (per m²) of stems < 1 m tall.

SPECIES	DENSITY (#/m ²)
Acer rubrum	3.750
Fraxinus americana	0.250
TOTAL:	4.000

SHRUBS: Percent cover of shrub species within the stand.

SPECIES	% COVER
<i>Cornus racemosa</i>	12.723
<i>Prunus virginiana</i>	0.119
TOTAL:	12.842

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

	% COVER
Litter layer	91.375
Exposed soil	+
Exposed rock	+
Bryophytes	6.124
Lichens	+
Dead wood	2.250
Unknown seedlings	+
Tree boles	+
<i>Aster divaricatus</i>	+
<i>Carex</i> sp.	+
Dead wood over	+