

PLOT 829

LOCATION: 4 m from western edge of Grid Square #: 829
DATE SAMPLED: 7/17/84

SITE VARIABLES:

SLOPE: 4° ASPECT: 146° POSITION: crest of slope
SURFACE WATER: none
LITTER DEPTH: 2.50 cm EXPOSED BEDROCK: no
SOIL SERIES (mapped):
SOIL pH:

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

AGES OF DOMINANT TREES: 39.9 cm Pinus strobus : years
3.2200000000E+01 cm Quercus prinus : years

CANOPY HEIGHT: 16.1 m % SKY VISIBLE: 6.0

COMMENTS:

HYDROLOGY:

Site is well drained.

SOILS:

The soils are stony and well drained with a poorly developed organic layer.
The soils get deeper closer to the stone wall.

HISTORY:

This site was once pastured. A stone wall runs through the plot and there are very large Pinus strobus.

STAND CONDITION:

There are many areas dead or with dieback.

ADDITIONAL COMMENTS ON THE SITE:

The shrub layer is dense and low (<1m high). There is lots of blowdown and vitis vine underbrush.

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	9	5	4	0	1	0	0	0	
Prunus serotina	1	0	1	0	0	0	0	0	
Carya ovata	1	2	0	0	0	0	0	0	
Pinus strobus	0	3	1	0	1	1	0	0	
Quercus prinus	0	1	0	0	1	0	0	0	
Quercus velutina	2	0	0	1	0	0	0	0	
Quercus alba	1	0	0	0	0	0	0	0	
Carya glabra	1	2	0	0	0	0	0	0	
Prunus avium	1	0	0	0	0	0	0	0	
Fraxinus americana	0	0	0	0	0	0	0	0	
TOTALS	16	13	6	1	3	1	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	80.0	21.05	100.0	26.32
Prunus serotina	20.0	50.00	0.0	0.00
Carya ovata	0.0	0.00	20.0	33.33
Pinus strobus	0.0	0.00	0.0	0.00
Quercus prinus	0.0	0.00	0.0	0.00
Quercus velutina	20.0	33.33	20.0	33.33
Quercus alba	0.0	0.00	0.0	0.00
Carya glabra	0.0	0.00	0.0	0.00
Prunus avium	0.0	0.00	0.0	0.00
Fraxinus americana	40.0	999.00	0.0	0.00
TOTALS:	160.0	20.00	140.0	17.50

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	160	0	80	160	40	440
Carya glabra	0	0	40	0	0	40
Prunus serotina	0	0	40	40	0	80
Rhamnus cathartica	240	0	0	0	0	240
Fraxinus americana	160	0	0	0	0	160
Cornus florida	40	0	0	0	0	40
Pinus strobus	0	0	40	0	0	40
Quercus velutina	0	0	40	0	0	40
TOTALS:	600	0	240	200	40	1080

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

SPECIES	DENSITY (#/m ²)
Amelanchier sp.	1.750
Prunus serotina	0.250
Fraxinus americana	0.250
TOTAL:	2.250

SHRUBS: Percent cover of shrub species within the stand.

SPECIES	% COVER
Cornus racemosa	16.845
Parthenocissus quinquefolia	7.412
Lonicera tatarica	0.476
Viburnum acerifolium	0.159
Berberis thunbergii	1.665
Vitis sp.	0.595

TOTAL:	27.150

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

	% COVER
Litter layer	90.750
Exposed soil	+
Exposed rock	4.250
Bryophytes	+
Lichens	1.619
Dead wood	3.750
Unknown seedlings	+
Tree boles	+
Carex sp.	6.374
Maianthemum sp.	+
Galium sp.	+
Solidago caesia	1.374
Aster divaricatus	+
Deadwood over	10.625
Solidago sp.	+
Grass sp.	+
