

PLOT 735

LOCATION: 29 m from western edge of Grid Square #: 735

DATE SAMPLED: 7/3/84

SITE VARIABLES:

SLOPE: 8° ASPECT: 210° POSITION: midslope

SURFACE WATER: none

LITTER DEPTH: 3.75 cm EXPOSED BEDROCK: no

SOIL SERIES (mapped):

SOIL pH:

VISUAL EVIDENCE OF: LOGGING: no

GRAZING: yes

STONE WALLS: no

FIRE: no

RECENT WINDTHROW: yes

MOUNDS & PITS: yes

AGES OF DOMINANT TREES: 29.5 cm Pinus strobus : years

CANOPY HEIGHT: 18.4 m % SKY VISIBLE: 16.0

COMMENTS:

HYDROLOGY:

Site is well drained.

SOILS:

The soil is moderately well drained and moderately deep. It is only slightly stony. There is bedrock near the surface(w/in .3-.5m)

HISTORY:

This site is basically a pine stand.

STAND CONDITION:

This is an even aged pine stand with a fairly open canopy.

ADDITIONAL COMMENTS ON THE SITE:

This is a red pine plantation with all trees of similar age and size. The topography is determined by bedrock. The herb and shrub layer is sparse. There is a stone wall just off plot.

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
Pinus resinosa	140	6.083	1080	27.522	0	0.000	1220	33.604
Pinus strobus	60	3.540	40	0.848	20	0.481	120	4.869
Acer rubrum	100	3.834	120	2.904	20	0.190	240	6.928
Amelanchier sp.	0	0.000	0	0.000	40	0.434	40	0.434
Acer saccharum	20	0.245	0	0.000	0	0.000	20	0.245
Fraxinus americana	0	0.000	0	0.000	0	0.000	0	0.000
TOTALS:	DENSITY / HA		1240		80		1640	
	BASAL AREA (M2) / HA		13.7027		31.2732		1.1051	
							46.0810	

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	
Pinus resinosa	44	44	87	88	0	0	74	73	73.66
Pinus strobus	19	26	3	3	25	44	7	11	8.94
Acer rubrum	31	28	10	9	25	17	15	15	14.83
Amelanchier sp.	0	0	0	0	50	39	2	1	1.69
Acer saccharum	6	2	0	0	0	0	1	1	0.88
Fraxinus americana	0	0	0	0	0	0	0	0	0.00

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
Pinus resinosa	15	26	14	6	0	0	0	0	
Pinus strobus	0	3	0	3	0	0	0	0	
Acer rubrum	4	3	3	2	0	0	0	0	
Amelanchier sp.	2	0	0	0	0	0	0	0	
Acer saccharum	1	0	0	0	0	0	0	0	
Fraxinus americana	0	0	0	0	0	0	0	0	
TOTALS	22	32	17	11	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
Pinus resinosa	260.0	21.31	0.0	0.00
Pinus strobus	60.0	50.00	0.0	0.00
Acer rubrum	0.0	0.00	0.0	0.00
Amelanchier sp.	0.0	0.00	0.0	0.00
Acer saccharum	0.0	0.00	0.0	0.00
Fraxinus americana	20.0	999.00	0.0	0.00
TOTALS:	340.0	20.73	0.0	0.00

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	
Hamamelis virginiana	240	160	0	0	0	400
Fraxinus americana	0	0	40	0	0	40
Crataegus sp.	0	0	40	0	0	40
Acer rubrum	40	0	0	0	0	40
Pinus strobus	80	0	0	0	0	80
Amelanchier sp.	40	80	40	0	0	160
Prunus serotina	0	0	0	40	0	40
Quercus rubra	0	40	0	0	0	40
TOTALS:	400	280	120	40	0	840

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

SPECIES	DENSITY (#/m ²)
Pinus strobus	0.250
Amelanchier sp.	0.750
Acer rubrum	0.250
Carya glabra	0.250
Fraxinus americana	0.250
TOTAL:	1.750

SHRUBS: Percent cover of shrub species within the stand.

SPECIES	% COVER
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TOTAL:	0.000

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

	% COVER	
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Litter layer	84.250	8
Exposed soil	1.624	2
Exposed rock	1.875	2
Bryophytes	3.621	3
Lichens	2.122	2
Dead wood	7.874	4
Unknown seedlings	+	1
Tree boles	+	1
Carex sp.	2.875	3
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