

grid # 53V
transect distance (M): _____
plot center (M): 78
plot reference point: _____

date: 7/31/89 1 of 5
site (if named): Taconic Tract
initials: CW, DS

ENVIRONMENTAL VARIABLES

Slope ($^{\circ}$): 4 Aspect ($^{\circ}$): 186
Slope Position (ridgetop, crest, midslope, foot, local depress):
Hydrologic Features:

stream	perennial	pond	perennial
	ephemeral		ephemeral <u>none</u>
	dry		dry

Comments on Hydrology: wetland ~ 30 M to S. Southern
edge of plot is wetter.

STAND CONDITION

Closure (grid points exposed - n/25): 1/25, 2/25, 7/25, 2/25
total number exposed grid points = 12
Canopy Height (M): 53 at 13 M $y = \tan \theta(x) + 1.68$ height = 18.93
Comments on Stand Condition (include biotic/abiotic factors):
largest Quercus mostly rotten + has lots of dieback
Juniper also being shaded out by dense canopy
of hardwoods. Frustrating mortality

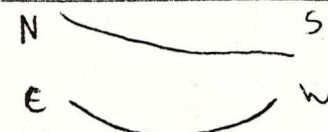
HISTORY

Prior History (evidence of): logged, pastured, burned, windthrown,
undisturbed

Mounds & Pits (y/n): N Stone Walls (y/n): N
Tree Core(s): Quercus 27.9 (53-1a, ~~53-1b~~)

Comments on History and Disturbance: stone wall near
by (~30 M N) + Juniper suggest pasturing
along edge of NW of plot

SOILS

profile 

Litter Depth (L, F, H horizons in cm): 1/1/1/1/1
Soil Depth (mineral horizons in M): _____
Exposed Bedrock (y/n): N
Comments on Soils: deep, slightly stoney, poorly
to mod drained

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Junip. also being shaded out by dense canopy
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HISTORY

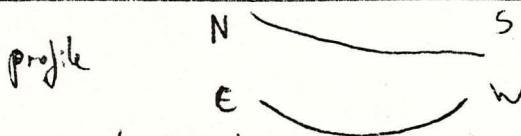
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Comments on History and Disturbance: stone wall near
by (~30 M N) + Junip suggest pasturing
around edge of NW of plot

SOILS

Litter Depth (L, F, H horizons in cm): 1 | 1 | 1 | 1
Soil Depth (mineral horizons in M): _____
Exposed Bedrock (y/n): N
Comments on Soils: deep, slightly stoney, poorly
to mod drained



grid # 53

date: 7/31/84 2 of 5

transect distance(M): _____

site (if named): Taconic Tract

plot center (M): 78 edge :

initials: CW, DS

HERBS: % cover of herbaceous species in eight quadrats

random number from edge: (4 / 8 / 9 / 13 / 17 / 20 / 22 / 25)

quadrat points on transect: (2 / 4 / 4.5 / 6.5 / 8.5 / 10 / 11 / 12.5)

(rne / 2)

[illegible]

grid # 53 date: 7/31/89 3 of 5
transect distance (M): _____ site(if named): Taconic Tract
plot center(M): 78 edge: _____ initials: CW, DS

SEEDLINGS: density of tree species in eight .5 X 1 M quadrants
along main transect

random number from edge: (4 / 8 / 9 / 13 / 17 / 20 / 22 / 25)

quadrat points on transect: (2 / 4 / 4.5 / 6.5 / 8.5 / 10 / 11 / 12.5)
(rne / 2)

[illegible]

SHRUBS: line intercepts along 20 M portion of main transect,
10 M on either side of plot center

[illegible]

grid #: 53 date: / / 4 of 5
 transect distance (M): _____ site(if named): Taconic Tract
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crown classes: c=canopy, s=sub-canopy, u=understory, d=dead

additional letters indicate crown condition:

f = >25% leaves w/defoliation, d = dieback of upper branches

TREES: stems 10 cm dbh or greater in 500 M² circular quadrat
 12.62 M rad., 25.23 M dia cored tree(s) circled

spp.	dbh	cc	dbh	cc	dbh	cc	dbh	cc	dbh	cc	dbh	cc
Quve	13.0	S	14.8	C	72.8	C	26.3	C	27.6	C	14.5	S
Quvi	10.9	S	17.6	S	19.4	S	14.1	S	10.4	U	27.4	C
Quvi	14.0	U										
Acru	13.7	S										
Caql	17.8	U	14.0	S								
Fram	10.6	D										
Qubi	27.9	C										
Acsa	14.8	S										
Quve	16.4	S/d	13.1	S	13.6	S						
Ulam	12.0	S										

SAPLINGS: stems > 1 M in height and < 10 cm dbh in 2 of 4 wedge
 shaped quadrants

quadrants: NE(1) NW(2) SW(3) SE(4) size classes:

spp.	1	3	5	7	9
Avi	III	I			
Acru	III	II	I	I	
Quve		III	III	III	II
Ulam		II	III		
Fram	III		I		
Fagr	I				
Caql		I		I	
Quvi			I		
Ans	I				
Acsa		I		I	
Quvi	I	II			I
Kaca	I				
Caov	III	III			

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ADDITIONAL SPECIES PRESENT IN PLOT

Class	Spp.	Class	Spp.
Shrub	Ilex verticillata		Berberis thunbergii
Seedling	Prunus serotina		Geranium 53-6 maculatum D.S.
	Rubus sp.		Viola sp 53-6
	Potentilla simplex		
	Vitis sp.		
	53-1 Solidago ✓		
	Agrimonia sp 53-4	D.S.	
	Corylus cornuta		
	53-2 Solidago		
	Smilax rotundifolia		
	Carex 53-3		
	Rubus vulgaris		
	Lindera vulgaris benzoin		
	Symplocarpis foetida		
	Viburnum raphanescens		
	Dryopteris spinulosa		
? →	Viburnum dentado		No specimen collected
	Viburnum prunifolium		
	Smilacina racemosa		
	Galium aparine triflorum		
	Monotropa uniflora		
	Solidago caesia		
	53-5 Carex multicostata ^{hirsuta}	D.S.	

SITE DESCRIPTION AND ADDITIONAL COMMENTS:

dense layer of shrubs and saplings

stone wall near by
no stumps in plot

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Cornus florida Condition

Trees: Stems 10 cm DBH or greater in 500m² circular quadrat
Additional letters indicate crown condition:
d = dieback of branches

dbh	cc	dbh	cc	dbh	cc	dbh	cc	dbh	cc

Saplings: stems > 1 M in hieght and < 10 cm dbh in all quadrats

NE (1)

↓ Diameter or Size Class

	1	3	5	7	9
DEAD					
DIEBACK					
NO SYMPTOMS					

NW (2)

	1	3	5	7	9
DEAD					
DIEBACK					
NO SYMPTOMS					

SW (3)

	1	3	5	7	9
DEAD					
DIEBACK					1
NO SYMPTOMS					

SE (4)

	1	3	5	7	9
DEAD					
DIEBACK					
NO SYMPTOMS					