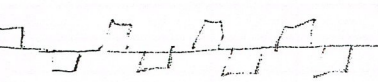


Tree Species (Common Name)	Quadrats (# of 5 cm + trees)														Total Population	Density Per Quad
	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Maple	1		1	5			7	5		2					21	1.75
Tulip Tree					1					1					2	0.166667
Beech	1	3			1	2		1	1	3	2	2			16	
Oak			2	1	3	3	1	1	1			1			13	
Birch	1		1		1				6	1					10	
Ash		1		1											2	
Hickory	1	1	1	2						2	1	1			9	
Walnut															0	0
Dogwood	1			1	1	1		2							6	0.5
Cherry	1			1											2	
Locust															0	0
Ailanthus															0	0
Box Elder															0	0
Elm									2						2	
Staghorn Sumac									1						1	

6 5 5 11 7 6 8 9 11 9 3 4 (total 84)

Groups report their data to be combined in Chart.

uphill  quadrats on transit
downhill

pg. 7

(ex) $\frac{21}{12} = 1.75$
Density =
TOTAL POPULA
TOTAL EACH
TREE SPECIES
(ex) $\frac{2}{12} = 0.166667$

Tree Species (Common Name)	Quadrats (tree diameters in cm./ ht 1.5 M)														Total Biomass
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Maple	18	+	10	+	96.2	+	125	+	88	+	94	+			431.2
Tulip Tree					44					60					104
Beech	11	111			42	81.5		69	47.5	56	35.5	21.5			
Oak			37.5	59	118	142	58	53	31			50			
Birch	38		10		29				153	63					
Ash		63		28											
Hickory	29	14	81	91.3						78	38	50			
Walnut															
Dogwood	34			17.7	55.7	26.5		54							
Cherry	62			36.5											
Locust															0
Ailanthus															0
Box Elder															0
Elm									139						
Staghorn Sumac									29.5						

Biomass
add all diameters
for that tree
(ex) maples

pg 8

from Density Quad Chart (pg 7)
PG. 3
 DIVIDE DENSITY BY TOTAL DENSITIES $\times 100 = \%$
PG. 4
 FREQ. OF TREE $\div$ FREQ. OF ALL TREES $\times 100 = \%$
from TOTAL BIOMASS CHART
PG. 4
 ADD: $\% \text{ Relative Density} \div \text{ALL TREES} \times 100$
 $\% \text{ Relative Density} + \% \text{ Relative Frequency}$
 RANK HIGHEST TO LOWEST = "IMPORTANCE VALUE"

Period:		PG. 3		PG. 4		PG. 4		PG. 4	
Tree Species	Sci. (Genus)	Density per Quad	%Relative Density	Frequency % (ex)	Relative Frequency %	Biomass (Total Dia. cm)	Relative Biomass	Importance Value	Order of Importance
Maple		1.75	25.000012	6/12 = 50	50 $\div$ 384.33 = 13.0	431.2	431.2 $\div$ 32.9 = 15.5	53.5	2
Tulip		0.166667	2.3809535	2/12 = 16.7	4.3	104	104 $\div$ 27.6 = 3.7	10.5	7
Beech			19.047628	9/12 = 75			17.1		
Oak			15.476198						
Birch			11.904768						
Ash			2.3809535						
Hickory			10.714291						
Walnut		0	0		#VALUE!	0	#VALUE!		
Dogwood		0.5	7.1428605						
Cherry			2.3809535						
Locust		0	0		#VALUE!	0	0.0	#VALUE!	
Ailanthus		0	0		#VALUE!	0	0.0	#VALUE!	
Box Elder		0	0		#VALUE!	0	0.0	#VALUE!	
Elm			2.3809535						
Staghorn Sumac									
TOTAL		6.999997				2778.9			

PUT FINAL VALUES ON PG 5

pg 9

