



NEW YORK CITY SOIL AND WATER CONSERVATION DISTRICT

**NYC Envirothon 2010**

Forestry Worksheet

March 20, 2010

<b>Measuring the Diameter of a tree</b>			
DBH using d-tape (inches)			
DBH using Biltmore stick (inches)			
Circumference (inches)			
Calculated diameter (inches)			
<b>Measuring the Height of a tree</b>			
Height using Biltmore in 16-ft logs			
Calculated height in feet			
<b>Using a clinometer</b>			
Clinometer reading A (+)		Clinometer reading B (-)	
A – B in %			
Calculated height in feet			
<b>Tree Volume Calculation</b>			
Height of the tree in feet			
Diameter of the tree in feet		Radius of the tree in feet	
Cross Section Area @ 4.5'			
Volume with adjustment (Area x Height x ¼)			
Volume in Board Feet (multiply by 12)			



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