Land Cover Investigation

Measure Tree Height on a Slope: Stand by Tree Data Sheet

School Name: _____ Site: _____

Measurement Time: _____
Year Month Day Hour (UT)

Recorded By: _____

Clinometer Data

Dominant Species _____ _____	Clinometer Reading (˚)	TAN of Clinometer Reading	Height to 0˚ on Tree (m)	Distance to Tree (m)	Tree Height (m)	Average Tree Height (m)
Specimen 1.						
Specimen 2.						
Specimen 3.						
Specimen 4.						
Specimen 5.						

Co-Dominant Species _____ _____	Clinometer Reading (˚)	TAN of Clinometer	Height to 0˚ on Tree (m)	Distance to Tree (m)	Tree Height (m)	Average Tree
Specimen 1.						
Specimen 2.						
Specimen 3.						
Specimen 4.						
Specimen 5.						

Tree Height = [(TAN of Clinometer Reading) x (Distance to Tree)] + (Height to 0˚ on Tree)

Note: Measure each tree three times and average the three height values. If all three values are within 1 meter of the average, report the values. If not, repeat the measurements until they are within 1 meter of their average, and then report these values.