Land Cover

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

Tree Species 1 Name _____ ❑ Dominant ❑ Co-Dominant	Clinometer Reading (˚)	TAN of Clinometer Reading	Height to 0˚ on Tree (m)	Distance to Tree (m)	Tree Height* (m)	Average Tree Height (m)	Average Lat. and Long. of Each Tree (GPS protocol)
Specimen 1							Lat.: Long.:
Specimen 2							Lat.: Long.:
Specimen 3							Lat.: Long.:
Specimen 4							Lat.: Long.:
Specimen 5							Lat.: Long.:

Tree Species 1 Name _____ ❑ Dominant ❑ Co-Dominant	Clinometer Reading (˚)	TAN of Clinometer Reading	Height to 0˚ on Tree (m)	Distance to Tree (m)	Tree Height* (m)	Average Tree Height (m)	Average Lat. and Long. of Each Tree (GPS protocol)
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Specimen 3							Lat.: Long.:
Specimen 4							Lat.: Long.:
Specimen 5							Lat.: Long.:

***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.