Plot Outdoor Data Entry Form (EREN Permanent Forest Plot Project) v 1.06

Plot Variables   **Your Name**_____

Plot Name_____

Plot Shape (Circle one)**:**   Square,   Circular,   or   Rectangular

Plot Description Date (yyyy/mm/dd) _____

Latitude (xx.xxxxxx)   _____   **Longitude** (xx.xxxxxx)   _____
(Note: Longitude is a negative number in N. America)

Elevation (m)_____   *(Remember to report in meters, not in feet.)*

Aspect(°): _____ (0 to 360° or "flat")

Slope %:_____

Landscape Shape (Circle one)**:   PLANAR,   CONCAVE**,   or   **CONVEX**

Plot description: Please indicate whether the plot contains trails, old roads, underground utilities, excessive vine coverage, deer browse, or other factors that are likely to impact tree growth._____
_____
_____
_____
_____

Interior/Edge: INTERIOR (≥ 30 m from the forest edge)   or   **EDGE (<** 30 m from the forest edge)

If the plot is an edge, please answer the following:

Edge Type (Circle one):   not an edge   impervious surface,   utility corridor,   unpaved road,   agriculture,   old field,   lake/river,   or   other (please specify in "Edge Description")

Edge Width (Circle one):   not an edge;   10 to 20 m;   20 to 50 m;   > 50 m

Optional PFPP variables for edge plots (*These variables are required for the Edge Effects study.*):

Distance to Edge: _____ **(m)** *Distance to forest edge from the plot corner or perimeter closest to the forest edge.*

Border Type: *Circle one of the following:* **Straight   Convoluted   Perforated   Other**

Border Width: *Circle one of the following***:   <1m   1-5m   >5m**

Border Aspect (°): _____(*The bearing perpendicular to the general contour line of the edge nearest to this plot*).

Border Slope (%):_____(*The slope perpendicular to the general contour line of the edge nearest to this plot. If the edge approximates 90 degrees (i.e. a cliff or bluff), report the % slope as 9999.*)

Edge Description: Please indicate what you know regarding the origin and longevity of the edge_____
_____
_____
_____
_____

Wetland Status: Is the plot in a floodplain or wetland: **YES**   or   **NO**

Urban Status (See protocol for criteria):   Does the plot meet the urban forest criteria?   **YES**   or   **NO**

Disturbance History: Circle YES if there is any obvious indication of the following:

Fire	**YES** or **NO**	Wind	**YES** or **NO**	Other	**YES** or **NO**
Insect	**YES** or **NO**	Mining	**YES** or **NO**		
Disease	**YES** or **NO**	Logging	**YES** or **NO**		

Disturbance History Notes: If you answered YES to any of the preceding disturbances, please indicate below any details you might have as to when the disturbance occurred, the type of insect or disease (emerald ash borer, hemlock wooly adelgid), and the severity of the disturbance _____

_____
_____
_____

L:	Lichen and/or mosses		G:	Grass (native)
H:	Herbaceous (native)		W:	Woody (native)
M:	Mixed: Grass, <u>native</u> herbaceous, woody plants combined		FF:	ForestFloor (Leaf/ woody litter)
NNP:	Non-native plants herbaceous or woody plants		SR:	Bare Soil/ Rock: Bare Soil/ Rock
none:	None of the these			

Dominant Groundcover: *(Do any of the preceding cover over 50% of the plot?)   Circle only one.*

 L   G   H   W   M   NNP   FF   SR   none

Secondary Groundcover: *(Do any of the preceding cover only 25 to 49 % of the plot?) Circle only one.*

 L   G   H   W   M   NNP   FF   SR   none

Vegetation Typical? Is plot vegetation / density representative of the surrounding forest?   **YES**   or   **NO**

 Vegetation Comment: If the answer above is NO, please indicate how the plot is different. _____

_____

Invasive Plant Species? Are invasive plant species present in the plot?   **YES**   or   **NO**

 Invasive Plant Species List: Please list the invasive plant species present in the plot. _____

_____

Avg. Canopy Height (m): _____

Site Web Link: _____

Data Quality Assurance: _____*Enter a number from 1 to 5 to indicate how data quality was checked for this plot.*

 1) All date carefully compared to the data entry sheets; numbers checked for reasonable ranges.
 2) # 1 above, and at least 10% of the tree diameters were measured by at least 2 people, until < 0.2 cm difference.
 3) # 1 above, and at least 25% of the tree diameters were measured by at least 2 people, until < 0.2 cm difference.
 4) # 1 above, and at least 50% of the tree diameters were measured by at least 2 people, until < 0.2 cm difference.
 5) # 1 above, and 100% of the tree diameters were measured by at least 2 people, until < 0.2 cm difference.

Plot Data Updates: Circle each of the sections for which the current plot data differs from previous plot data.
 The titles refer to the plot data categories as defined in the PFPP online Database.

Forest Variables	Soil Data	Precipitation data	Characteristics
Landscape location	Disturbance History	Vegetation	