

Metadata for ForestGEO_sites_data

Column Header	Description	Units
Site name	Site name	-
Alternate site name/ abbreviation	Site name abbreviation or alternate name by which the site may be known, if any	-
State/ Province	State/ province in which plot is located, if any	-
Country	Country	-
Biogeographic zone	Biogeographic zone, as described in Olson et al. (2001). Categories: Afrotropic, Australasia, Indo-Malay, Nearctic, Neotropic, Palearctic, Oceania	-
GCB#	ID number assigned in Anderson-Teixeira et al., 2015 (Global Change Biology)	-
Latitude	Latitude (center of plot). Negative values indicate southern hemisphere.	decimal degrees
Longitude	Longitude (center of plot). Negative values indicate western hemisphere.	decimal degrees
Elevation-min	minimum elevation within plot	m.a.s.l.
Elevation-max	maximum elevation within plot	m.a.s.l.
Topographic relief	topographic relief within plot (difference between maximum and minimum elevations)	m
Location & Elevation notes	Any notes pertaining to geographic coordinates, elevation	-
n geographically distinct plots	Number of geographically distinct plots (typically one, but a few sites have multiple plots)	-
Area	Plot area (sum of multiple plots)	ha
Plot Dimensions	Plot dimensions ([x dimension] x [y dimension]), with multiple plots listed separately	m
Plot Area & Dimensions notes	Any notes pertaining to plot area & dimensions	-
first census year	First census year applying CTFS-ForestGEO protocol. When census spanned multiple years, the first year is listed.	-
Publication(s) describing site/plot	Publications describing the site/plot, if any	-
Number of Species	Number of species	-
Number of Trees	Number of individual trees (genets; i.e., counting multi-stem individuals as one tree)	-
Species & Number of trees notes	Any notes pertaining to numbers of species/ trees	-
Forest Description	Description of forest type	-
Dominant vegetation type(s)	Categorical description of leaf type and phenology: Broadleaf Evergreen (BE); Broadleaf (drought/ cold) Deciduous- BdD/BcD; Needleleaf Evergreen (NE); (Needleleaf Deciduous-NC). Lists any PFT category represented by at least 10% of canopy trees, preferably in order of abundance. This is not necessarily formally quantified based on survey data.	-
Dominant Soil order(s)	Categorical following the USDA Soil Taxonomy System: Al: Alfisols; An: Andisols; E: Entisols; Ge: Gelisols; In: Inceptisols; Ox: Oxisols; Ul: Ultisols; S; Spodosols; Ve: Vertisols.	-

Soil Notes	Any notes giving additional information on soils	-
Köppen Climate zone	Köppen-Geiger climate zone, from Peel et al. 2007. Abbreviations are as follows: Af- tropical rainforest; Am- tropical monsoon; Aw or As- tropical wet and dry/ savanna; BWh- hot arid; BWk- cold arid; BSh- hot semi-arid; BSk-cold semi-arid; C__ - temperate with dry summer (Cs_), dry winter (Cw_) or no dry season (Cf_) and hot summer(C_a), warm summer (C_b), or cold summer (C_c); D__ - cold (continental), with dry summer (Ds_), dry winter (Dw_) or no dry season (Df_) and hot summer(D_a), warm summer (D_b), cold summer (D_c), or very cold winter (D_d); ET- tundra; EF- ice cap.	-
MAT	Current best (based on judgment of site PIs) estimate of mean annual temperature. Source and time frame vary by plot. For sites where local data are not available or not reported, values are mean 1960-1990 climate from WorldClim at 30 arc-second resolution (Hijmans et al., 2005). Additional climate information is available through the ForestGEO Climate Data Portal.	°C
MAP	Current best (based on judgment of site PIs) estimate of mean annual precipitation. Source and time frame vary by plot. For sites where local data are not available or not reported, values are mean 1960-1990 climate from WorldClim at 30 arc-second resolution (Hijmans et al., 2005). Additional climate information is available through the ForestGEO Climate Data Portal.	mm yr ⁻¹
Natural disturbance regime	Natural disturbance regime, with codes as follows: A-animal activity (destructive); D-Drought; E-Erosion; Fi-Fire; Fl-flood; H-hurricane/typhoon; Ic-Ice storms; In-insect outbreaks; L-landslides; PT-permafrost thaw; W-wind storms (local); ‘-’- no major natural disturbances.	-
Natural disturbance notes	Notes pertaining to the natural disturbance regime.	-
Past anthropogenic disturbances	Local anthropogenic disturbances prior to the establishment of the plot. Codes are as follows: Codes are as follows: F-farming; P-pasture; W-wood harvesting; CC-clear cut/ complete clearing; B-burn; H-hunting; E-extraction of NTFP (non-timber forest products); I-invasive species; ‘-’ no significant disturbances. Capital letters denote strong pressure; lowercase denote mild pressure.	-
Current anthropogenic disturbances	Recent/ ongoing local anthropogenic disturbances. Codes are as follows: Codes are as follows: F-farming; P-pasture; W-wood harvesting; CC-clear cut/ complete clearing; B-burn; H-hunting; E-extraction of NTFP (non-timber forest products); I-invasive species; ‘-’ no significant disturbances. Capital letters denote strong pressure; lowercase denote mild pressure.	-
Anthropogenic disturbance notes	Notes pertaining to the anthropogenic disturbance history	-