data homogenization processing summary and QC check results: CDR_E133

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		CDR_E133
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	CDR
location	Location name	location_name	Cedar Creek Fire Frequency Experiment
location	Sand	sand	Average of Zimmerman and Sartell Series
location	Silt	silt	Average of Zimmerman and Sartell Series
location	Clay	clay	Average of Zimmerman and Sartell Series
location	control samples identifier	control_id	TargetBurnFrequency(burns/year) = 0, sort by plot
profile	Extractable Phosphorus_1	p_ex_1	Multiple values per plot should be averaged
profile	Net N mineralization	n_min	This was measured from 0-15 cm, but I have said that it's 0-20 cm so that it can be aligned with the other data
profile	aboveground annual litterfall mass	litterfall_anpp	WW, looks like these a g mass/m2; NOTE 1: Each "point" (replicate) has three values that need to be summed to get total litterfall mass; these litter types are indicated in the column header "type" in the e133_Litter biomass.txt file and include miscellaneous, acorns, and oak leaves. NOTE 2: to determine ANPP, litterfall mass has to be added to aboveground biomass, since litterfall captures only tree ANPP, but herbaceous ANPP is estimated by aboveground biomass (which is only the herbaceous biomass)
profile	aboveground biomass	agb	WW, looks like these a g mass/m2; To determine ANPP, litterfall mass has to be added to aboveground biomass, since litterfall captures only tree ANPP, but herbaceous ANPP is estimated by aboveground biomass (which is only the herbaceous biomass)
profile	belowground net primary productivity	bnpp	WW, looks like these a g mass/m2; Root ingrowth

source	Var_long	var	var_notes
profile	root biomass	bgb	WW, looks like these a g mass/m2
profile	root biomass lower diameter cutoff	bgb_lowerdiam	These are defined separately for each diameter class
profile	root biomass upper diameter cutoff	bgb_upperdiam	These are defined separately for each diameter class

files processed:

type	filename
provided data	e133_Annual oak leaf canopy litter percent carbon and nitrogen-ww
provided data	e133_Fire_Frequencies
provided data	e133_Litter biomass
provided data	e133_Plant aboveground biomass data
provided data	e133_Root biomass data
provided data	e133_Root ingrowth biomass
provided data	e133_Root tissue carbon and nitrogen
provided data	e133_Soil bulk density
provided data	e133_Soil net N mineralization over five incubation periods
provided data	e133_Soil percent carbon and nitrogen
provided data	e133_Soil pH
provided data	e133_Soil phosphorous
homogenized data	e133_Annual oak leaf canopy litter percent carbon and nitrogen-ww_HMGZD
homogenized data	e133_Fire_Frequencies_HMGZD
homogenized data	e133_Litter biomass_HMGZD
homogenized data	e133_Plant aboveground biomass data_HMGZD
homogenized data	e133_Root biomass data_HMGZD
homogenized data	e133_Root ingrowth biomass_HMGZD
homogenized data	e133_Root tissue carbon and nitrogen_HMGZD
homogenized data	e133_Soil bulk density_HMGZD
homogenized data	e133_Soil net N mineralization over five incubation periods_HMGZD
homogenized data	e133_Soil percent carbon and nitrogen_HMGZD
homogenized data	e133_Soil pH_HMGZD
homogenized data	e133_Soil phosphorous_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	agb	aboveground biomass	g m-2	gDM m-2	0.5	converted
profile	agb	aboveground biomass	g m-2	gDM m-2	0.5	converted
profile	bnpp	belowground net primary productivity	g/m2/y	gDM/m2/y	0.5	converted

source	var	Var_long	given_unit	target_unit	factor	varNotes
location	clay	Clay	%	percent		NOT converted
location	sand	Sand	%	percent		NOT converted
location	silt	Silt	%	percent		NOT converted
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	bgb_c	root biomass C	%	mg g-1		NOT converted
profile	bgb_n	root biomass N	%	mg g-1		NOT converted
profile	lit_c	Fine Litterfall Carbon	%	mg g-1		NOT converted
profile	lit_n	Fine Litterfall Nitrogen	%	mg g-1		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted
profile	lyr_soc	Bulk Layer Organic Carbon (CN analyzer) concentration, inorganic C removed or not present	%	percent		NOT converted
profile	layer_bot	Layer Bottom	cm	cm		NOT converted
profile	layer_top	Layer Top	cm	cm		NOT converted
profile	n_min	Net N mineralization	g/m2/y	mg / g / d		NOT converted
profile	bgb	root biomass	gDM m-2	gDM m-2		NOT converted
profile	p_ex_1	Extractable Phosphorus_1	mg g-1	mgP/g		NOT converted
profile	bgb_lowerdiam	root biomass lower diameter cutoff	mm	mm		NOT converted
profile	bgb_upperdiam	root biomass upper diameter cutoff	mm	mm		NOT converted

QC results: location data

```
location data checks passed
```

QC results: profile data, data range

profile data range checks passed

QC results: profile data, data type

profile data type checks passed