

data homogenization processing summary and QC check results: KNZ_all_homog

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		KNZ_all_homog
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	KNZ
location	Location name	location_name	Konza Prairie Biological Station
location	control samples identifier	control_id	I'm inclined to assign annual burning, no grazing as a control
profile	Experimental Level 3	L3	NA for soils data
profile	Treatment_1_level	tx_L1	From Sara Baer: "I'm inclined to assign annual burning, no grazing as a control"
profile	Bulk Layer OM (Walkley Balck)	lyr_som_WalkleyBlack	Methods for C and N analysis have changed over time. C content of samples from 1982, 1987 and 1997 was derived from Walkley-Black measurements of % soil organic matter (OM) content, using a conversion factor of 1.72 (%C = %OM / 1.72). Soil C content of samples from 1992, 2002 and later were determined by dry combustion and gas chromatography (i.e., Carlo-Erba C/N analyzer).; Methods for C and N analysis have changed over time. C content of samples from 1982, 1987 and 1997 was derived from Walkley-Black measurements of % soil organic matter (OM) content, using a conversion factor of 1.72 (%C = %OM / 1.72). Soil C content of samples from 1992, 2002 and later were determined by dry combustion and gas chromatography (i.e., Carlo-Erba C/N analyzer).
profile	Soil Taxonomy	soil_taxon	tu=pachic argiustoll, fl=udic argiustoll, sl=slope
profile	Soil Series	soil_series	tu=tully; fl=florence's, sl=slope

files processed:

type	filename
provided data	Copy of NSC001 0to25cm updated SGB_ww2

type	filename
provided data	Copy of NSC001 0to5cm updated SGB_ww2
provided data	KNZ_ANPP_merged.csv
homogenized data	Copy of NSC001 0to25cm updated SGB_ww2_HMGZD
homogenized data	Copy of NSC001 0to5cm updated SGB_ww2_HMGZD
homogenized data	KNZ_ANPP_merged_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	caco3	Calcium Carbonate	percent	ug g-1	1e-04	converted
profile	p_ex_1	Extractable Phosphorus_1	mgP/g	ug g-1	0.001	converted
profile	caco3	Calcium Carbonate	percent	ug g-1	1e-04	converted
profile	p_ex_1	Extractable Phosphorus_1	mgP/g	ug g-1	0.001	converted
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	clay	Clay	%	percent		NOT converted
profile	lyr_c_tot	Bulk Layer Total Carbon, not acid treated to remove inorganic C	%	percent		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted
profile	lyr_som_WalkleyBlack	Bulk Layer OM (Walkley Balck)	%	percent		NOT converted
profile	sand	Sand	%	percent		NOT converted
profile	silt	Silt	%	percent		NOT converted
profile	layer_bot	Layer Bottom	cm	cm		NOT converted
profile	layer_top	Layer Top	cm	cm		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