data homogenization processing summary and QC check results: Eel River CZO

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		Eel River CZO
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	CZO
location	Site code (e.g. LUQ) or name	site_code	Eel
location	Location name	location_name	Angelo Reserve South Meadow, CA
location	number of treatments	number_treatments	winter and spring precip manip.
profile	Treatment_1_level	tx_L1	CONTROL; water manipulations: WINTER watering, SPRING watering
profile	Bulk Density With Coarse Fragments	bd_tot	WW , added here but asked Asmeret if it should be bd_samp

files processed:

type	filename
provided data	Berhe_Angelo_cations_texture_C_N
homogenized data	Berhe_Angelo_cations_texture_C_N_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
location	map	Mean Annual Precipitation	mm	cm	10	converted
profile	Ca	Calcium	mmol kg-1	meq 100g-1	10	converted
profile	Mg	Magnesium	mmol kg-1	meq 100g-1	10	converted
profile	K	Posassium	mmol kg-1	meq 100g-1	10	converted
profile	Na	Sodium	mmol kg-1	meq 100g-1	10	converted
profile	lyr_al_py	Pyrophosphate Extractable Al	mg/g	%	10	converted
profile	lyr_si_py	Pyrophosphate Extractable Si	mg/g	%	10	converted
profile	lyr_fe_ox	Oxalate Extractable Fe	mg/g	%	10	converted
profile	lyr_al_ox	Oxalate Extractable Al	mg/g	%	10	converted
profile	lyr_si_ox	Oxalate Extractable Si	mg/g	%	10	converted
profile	lyr_fe_dith	Dithionite Extractable Fe	mg/g	%	10	converted
profile	lyr_si_dith	Dithionite Extractable Si	mg/g	%	10	converted
profile	clay	Clay	%	percent		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	lyr_soc	Bulk Layer Organic Carbon (CN analyzer) concentration, inorganic C removed or not present	%	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

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location data checks passed
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QC results: profile data, data range

var	min	max	minValue	maxValue	error
bd_tot	1.455	2.32	0.1	2	out of range
bs	63.98	106.5	0	100	out of range

QC results: profile data, data type

profile data type checks passed