

## data homogenization processing summary and QC check results: BES

\*\*notes included with key file:\*\*

source	Var_long	var	var_notes
location	Google Directory		BES
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	BES
location	Location name	location_name	BES_forest_lawn
location	Climate averaging period	clim_avg_yrs	mean of BWI & MCDONOGH1
location	control samples identifier	control_id	Forest also a variable in L2
profile	Treatment_1_level	tx_L1	Compares forest and residential soils
profile	Treatment_2_level	tx_L2	Within residentail, looks at historic land use

## files processed:

type	filename
provided data	phys_chem_bio_forest_lawn_csv.csv
homogenized data	phys_chem_bio_forest_lawn_csv_HMGZD

## variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
location	map	Mean Annual Precipitation	mm	cm	10	converted
profile	mbc_trans	Microbial biomass C, reported Value After Transformation	mgC/g	ug g-1	0.001	converted
profile	mbn_raw	Microbial biomass N, raw value	mgN/g	ug g-1	0.001	converted
profile	n_min	Net N mineralization	mg / g / d	ug g-1 d-1	0.001	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	lyr_n_tot_stock	Bulk Layer Total Nitrogen stock	g m-2	g N m-2		NOT converted
profile	lyr_soc_stock	Bulk Layer Organic Carbon (CN analyzer) stock	g m-2	g C m-2		NOT converted

## QC results: location data

location data checks passed

**QC results: profile data, data range**

var	min	max	minValue	maxValue	error
n_min	-0.000592	0.009419	0	1000	out of range

**QC results: profile data, data type**

profile data type checks passed