data homogenization processing summary and QC check results: cap.635.1

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		cap.635.1
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	CAP
location	Location name	location_name	greater Phoenix metropolitan area
profile	Experimental Level 1(top level)	L1	W. WIeder modified levels in KEY_V2 from orig. data provided. I think this better captures nested levels in the dataset.
profile	Experimental Level 2	L2	Feature types spelled out in orig data, but using feature codes to align datasets here
profile	Bulk Density, Coarse Fragments Removed	bd_samp	not much data here, may be able to use for plots, features and sites on other dates. also change column heading in bulk density file to match in both files

files processed:

type	filename
provided data	635_bulk_density_18708e89e72c02551286d8c76501c411.csv
provided data	635_soil_and_plant_e653232d4064d29711bfbb1e67905e0a.csv
homogenized data	635_bulk_density_18708e89e72c02551286d8c76501c411_HMGZD
homogenized data	635_soil_and_plant_e653232d4064d29711bfbb1e67905e0a_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
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	lyr_loi	Bulk Layer Loss on Ignition	%	percent		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_samp	0.5662	3.134	0.1	2	out of range

QC results: profile data, data type

var	error
bd_samp	expected numeric