## data homogenization processing summary and QC check results: NEON $\_$ megapitRoots $\_$ all notes included with key file:

source	Var_long	var	var_notes	
location	Google Directory		NEON_megapitRoots_all	
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	NEON	
profile	Site code (e.g. LUQ) or name	site_code	siteID is the unique location identifier, can use to join with climate data (I already did this)	
profile	Location name	location_name	WW created this, also useful to use siteID for location name	
profile	root biomass	bgb	raw data are reported as mg DW/cm2, data converted to g/m2 by multiplying raw data * 10	
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	
profile	root biomass type	bgb_type	These are defined separately for each diameter class	
profile	root biomass C	bgb_c	convert to $gC/m2$ by multiplying bgb by vaues here	

## files processed:

type	filename
provided data	megapit_roots
homogenized data	megapit_roots_HMGZD

## variable conversion

source	var	Var_long	given_unit	$target\_unit$ factor	varNotes
profile	$bgb\_c$	root biomass C	%	mg g-1	NOT
profile	bgb_n	root biomass N	%	mg g-1	converted NOT converted
profile	layer_bot	Layer Bottom	$\mathrm{cm}$	cm	NOT
profile	layer_top	Layer Top	cm	cm	converted NOT converted
profile	bgb	root biomass	g DM m-2	gDM m-2	NOT
profile	bgb_lowerdia	m root biomass lower diameter cutoff	mm	mm	converted NOT converted
profile	bgb_upperdia	mroot biomass upper	mm	mm	NOT
		diameter cutoff			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