

The use of the word sample in the following descriptions refer to a single section of a soil core. The size of this section is defined by the depth increment each row give data for an individual sample (soil core section)

Column heading	Units	Description	Calculation method/details
Site Code	N/A	Identifies individual farms/experimental sites. SRF site codes are prefixed with letter 'S'.	
Site number	N/A	For SRC willow and Miscanthus : Identifies individual transition pairs. Bioenergy transition units are given integers, and their paired controlled fields the same integer followed by letter C. In the case of SRF individual sites contain only one replicate of each tree species thus identification did not require the use of site numbers.	
Habitat	N/A	Denotes the land use.	
SRF Group	N/A	Denotes, for SRF sites only, the tree species group.	Either Broadleaved, Coniferous or Eucalyptus.
Plot	1 to 5	Denotes the numbered sampling location ("plot") in a transition unit from which the sample was taken.	
Core	1 to 3	Denotes the numbered sampling position ("core") in a plot from which the sample was taken.	
Depth increment	cm	Denotes the target depth increments	
Actual size	cm	Denotes the size depth increment achieved in sampling.	Not all cores reached target depths, for a 15-30 cm depth increment any actual size of below 15 cm would indicate a short core.
% Nitrogen	%	Denotes the fraction of nitrogen within the sample.	Results from elementary analyser (Leco) based on analysis of known volume of soil.
% Carbon	%	Denotes the fraction of carbon within the sample.	Results from elementary analyser (Leco) based on analysis of known volume of soil.
Bulk density	g cm ⁻³	Bulk density of soil within the sample.	Oven-dried mass of the soil within the core divided by the volume of soil in the core (minus roots and stones)
Soil mass	kg m ⁻²	Mass of soil within the sample given in standard values of kg per metre squared.	Oven-dried mass of the soil within the sample multiplied by number of cores per metre squared.
Carbon density kg Soil C m ⁻²	kg soil C m ⁻²	Mass of carbon within the samples given in standard value of kg per metre squared.	% carbon (as a fraction) multiplied by the soil mass (kg m ⁻²)
Carbon density t Soil C ha ⁻¹	t soil C ha ⁻¹	Mass of carbon within the samples given in standard value of tonnes per hectare.	Carbon density in kg m ⁻² multiplied by 10
Nitrogen density kg Soil N m ⁻²	kg soil N m ⁻²	Mass of nitrogen within the samples given in standard value of kg per metre squared.	% nitrogen (as a fraction) multiplied by the soil mass (kg m ⁻²)
Nitrogen density t Soil N ha ⁻¹	t soil N ha ⁻¹	Mass of nitrogen within the samples given in standard value of tonnes per hectare.	Nitrogen density in kg m ⁻² multiplied by 10
Soil pH	N/A	pH of plot level bulk soil samples.	Sample from same plot and depth increments were mixed together (bulked) prior to analysis for pH. Values are deliberately pseudo-replicated in file. All statistics using soil pH should be done at the plot level.