Harvard Forest Data Archive HF276-01

Data File:

Name = hf276-01-DF-invertebrate.csv
Description = Duke Forest common garden experiment –invertebrate
Rows = 176  Columns = 26
MD5 checksum = 811b98ddd166a45e1655b000b1930dd8

Variables:

date = date of CO2 efflux measurement
efflux = soil efflux (µmol CO2 mol−1) measured using LI-6400
    (dimensionless)
temp = mean air temperature delta (difference between chamber and
    average of 3 ambient reference stations) of Duke Forest warming chambers
    between April 2010 and July 2013
    from which soil cores/invertebrates were extracted (celsius)
core.depth = depth of extracted soil core (centimeter)
leaf.decomp = percent leaf mass lost from decomposition bag
    (dimensionless)
invert.biomass.i = total mass of macroinvertebrates extracted from
    soil core and placed in mesocosm (gram)
invert.abundance.i = total number of macroinvertebrate individuals
    extracted from soil core and placed in mesocosm (number)
invert.richness.i = total richness, at a broad morphological/order
    scale, of macroinvertebrates extracted from soil core and placed in
    mesocosm (number)
invert.biomass.f = total mass of macroinvertebrates that survived to
    the end of the mesocosm experiment (gram)
invert.abundance.f = total number of macroinvertebrate individuals
    that survived to the end of the mesocosm experiment (number)
invert.richness.f = total richness, at a broad morphological/order
    scale, of macroinvertebrates that survived to the end of the mesocosm
    experiment (number)
microbial.biomass.c = microbial biomass (organic) carbon, using
    chloroform fumigation method in
    the lab of M Weintraub. TOC ug-C/g dry,
    calculated as difference between fumigated and K2SO4
    extracted sample (dimensionless)
microbial.biomass.n = microbial biomass nitrogen, using chloroform
    fumigation method in the lab
    of M Weintraub. TN ug-N/g dry, calculated as
    difference between fumigated and K2SO4 extracted
    sample. (dimensionless)
spider = number of spiders extracted from soil core and placed in
    mesocosm (number)
centipede = number of centipedes extracted from soil core and placed in
    mesocosm (number)
millipede = number of millipedes extracted from soil core and placed in
    mesocosm (number)
maggot = number of diptera larva extracted from soil core and placed in
    mesocosm (number)
caterpillar = number of caterpillars extracted from soil core and placed in mesocosm (number)
earthworm = number of earthworms extracted from soil core and placed in mesocosm (number)
ant = number of ants extracted from soil core and placed in mesocosm (number)
beetle = number of beetles extracted from soil core and placed in mesocosm (number)
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<th>Variable</th>
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HF276–01 Plot 3

- invert.biomass.f
- invert.abundance.f
- invert.richness.f
- microbial.biomass.c
- microbial.biomass.n
HF276–01 Plot 5

- row
- maggot
- caterpillar
- earthworm
- ant
- beetle