

Great Lakes Worm Watch Datasheet: LEVEL 3 plot surveys - report the number of adult and juvenile earthworms by genera or species for each plot within the habitat you sampled.

General Site & Sampling Information

Your Site Name:

Address:

Phone:

Email:

Date of Sampling:

Observer(s) Name(s):

Geographic Location of the habitat being sampled:

latitude =

longitude =

NAD =

Habitat Type being surveyed (circle the best match for the habitat being surveyed)

<i>UPLAND – sites that are dry or moist</i>	<i>LOWLAND – sites that are wet, permanently or periodically</i>	<i>HUMAN DOMINATED – Cities, villages, farmstead and rural homes</i>
Agriculture and Grassland Agricultural Field or Pasture Hedgerow Old / Fallow Fields Dry Prairie, Grassland, or Open Barrens	Open Water and Wetland Marsh Lake, Pond, Reservoir, or Impoundment River or Stream	Urban Areas Roadway or Ditch Residential Area Open Space Commercial or Industrial Area Waste Water Treatment Site
Shrubland and Savanna Deciduous Shrubs or Trees Coniferous Shrubs or Trees Mixed shrubs	Agriculture and Grassland Agricultural Field or Pasture Hedgerow Old / Fallow Fields Wet Meadow, Prairie, or Open Sedge Bog	Rural Areas Roadway or Ditch House or Farmstead and Lawn Park, Golf Course, Mowed Recreation Area Commercial or Industrial Site
Forest and Woodland Deciduous Trees Coniferous Trees Mixed Trees	Shrubland and Savanna Deciduous Shrubs or Trees Coniferous Shrubs or Trees Mixed Shrubs Forest and Woodland Deciduous Trees Coniferous Trees Mixed Trees	

Disturbance: (select all that apply for the habitat you are sampling)

historic grazing/farming historic logging current grazing/farming current logging
recreation-motorized recreation-non motorized fishing unknown
other: (please describe)

Size: (circle the best match for the habitat you are sampling)

0-2 acres 2-5 acres 5-20 acres 20-40 acres 40-100 acres 100+ acres

Surrounding Land Use (circle all that apply for the habitat you are sampling):

Urban Development Forested Lakes
Suburban Development Wetlands Streams and Rivers
Rural Development
Mostly similar to the habitat sampled
Other (please describe):

Basic Soil Features:

Pretend that any fresh, or whole dried leaf litter from last fall is not there. Now, tell me what percent of the surface is composed of bare or exposed soil: (circle the best match for the habitat sampled)

0-5% 5-25% 25-50% 50-75%

Is there any Forest Floor layer (spongy partially decomposed leaf material) present? **YES** **NO**
(circle the best match for the habitat sampled)

If yes, what is the average thickness?

0-2 cm 2-4 cm 4-6 cm 6-10 cm 10+ cm

If yes, is layering of the forest floor apparent? i.e. fresh litter on top of a layer of fragmented and partially decomposed litter and perhaps even a layer of very decomposed litter beneath that?

YES **NO**

Soil Texture: (use the **Simplified Key to Mineral Soil Texture** provided on website)

Circle one:

sand loamy sand loam or sandy loam
silt loam sandy clay loam - clay loam silty clay loam – silt
sandy clay – clay silty - clay

Earthworm Sampling Information:

Sample plot size (circle one):

33cm x 33 cm

Other (please describe)

Number of plots sampled:

Sample method(s) used at each plot (Circle all that apply):

Hand sampling Liquid Mustard Extraction Midden Counts

Other: (please describe)

Plot location method used (circle one):

Arbitrary Randomly located Transect-evenly distributed Transect – randomly stratified

Other: (please describe)

Earthworm Identification reference used (Circle all that apply):

"Earthworms of the Great Lakes"

Great Lakes Worm Watch - guide to ecological groups

No reference used

Other: (please describe)

LEVEL 3 – report the number of adult and juvenile earthworms by species from each sample plot in the habitat you sampled. Use additional pages as needed to report all plots sampled.

Plot Number or Designation _____ (label the vial as such)

Juveniles:

Pigmented Juvenile Genera and/or Species Identified

Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Unknown pigmented juveniles: _____ Density (number/plot) _____

Unpigmented Juvenile Genera and/or Species Identified

Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Unknown unpigmented juveniles: _____ Density (number/plot) _____

Unknown Juveniles (can't tell if pigmented or unpigmented): Density (number/plot) _____

Adults:

Pigmented Adult Genera and/or Species Identified

Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Unknown pigmented juveniles: _____ Density (number/plot) _____

Unpigmented Adult Genera and/or Species Identified

Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Genus/Species Name: _____ Density (number/plot) _____
Unknown unpigmented juveniles: _____ Density (number/plot) _____

Unknown Adults (can't tell if pigmented or unpigmented): Density (number/plot) _____

Have the specimens been preserved and submitted to GLWW with this data sheet?

YES NO