

Great Lakes Worm Watch Datasheet: LEVEL 2 plot surveys - report the density of adult and juvenile earthworms by their ecological group for the habitat 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)

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

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 2 – report earthworm density of adults by ecological group and juveniles by pigmentation from each sample plot. Use additional pages as needed to report all plots that you sampled within this habitat

Plot Number or Designation_____ (label the vial as such)

Juveniles:

Pigmented Juveniles: Density (number/plot)_____

Unpigmented Juveniles: Density (number/plot)_____

Unknown Juveniles: Density (number/plot)_____

Adults:

Epigeic Density (number/plot)_____

Endogeic Density (number/plot)_____

Anecic Density (number/plot)_____

Unknown Adult Density (number/plot)_____

Plot Number or Designation_____ (label the vial as such)

Juveniles:

Pigmented Juveniles: Density (number/plot)_____

Unpigmented Juveniles: Density (number/plot)_____

Unknown Juveniles: Density (number/plot)_____

Adults:

Epigeic Density (number/plot)_____

Endogeic Density (number/plot)_____

Anecic Density (number/plot)_____

Unknown Adult Density (number/plot)_____

Plot Number or Designation_____ (label the vial as such)

Juveniles:

Pigmented Juveniles: Density (number/plot)_____

Unpigmented Juveniles: Density (number/plot)_____

Unknown Juveniles: Density (number/plot)_____

Adults:

Epigeic Density (number/plot)_____

Endogeic Density (number/plot)_____

Anecic Density (number/plot)_____

Unknown Adult Density (number/plot)_____

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

YES NO