

**Great Lakes Worm Watch Datasheet:**

**LEVEL 1 plot surveys - report the number of adult and juvenile earthworms in 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)**

<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 1 – report the density of adult and juvenile earthworms from each sample plot. Use additional pages as needed to report all plots that you sampled in this habitat**

**Plot Number or Designation** \_\_\_\_\_ (label the vial as such)

Adult density (number/plot) \_\_\_\_\_

Juvenile density (number/plot) \_\_\_\_\_

**Plot Number or Designation** \_\_\_\_\_ (label the vial as such)

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Juvenile density (number/plot) \_\_\_\_\_

**Plot Number or Designation** \_\_\_\_\_ (label the vial as such)

Adult density (number/plot) \_\_\_\_\_

Juvenile density (number/plot) \_\_\_\_\_

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

**YES      NO**