# SSHCZO Metadata Worksheet

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| Data File Name | rootdistgarnershale.xlsx |
| Date Prepared | 4/1/2016 |
| Descriptive Title | Root Distribution Data |
| Update Frequency | One time sample in 2015 |
| Abstract | Root intersection count data at specified depths from six sites. Three from Garner Run (Ridge Top, Midslope, and Valley Floor) and Three from Shale Pits (Ridge Top, Midslope, and Valley Floor). When pits were dug at each of these locations, photographs of each transect were taken. Root intersections were then identified from these photos and counted in an effort to learn about root distribution at each site. |
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| Data Value Descriptions | * COL1: Label=Location, Where the site is located either Garner Run or Shale Pits
* COL2: Label=Slope Position, Where the pit is located at the site
* COL3: Label=Depth (cm), Lowest depth of each sample given in centimeters
* COL4: Label=Transect, Name of transect sample belongs to
* COL5: Label=Count (Intersections), Number of root intersections from the sample
* COL6: Label=Area (cm2), Area in centimeters squared of each sample
* COL7: Label=Intersection/Area (Intersections/cm2), Number of roots per centimeter squared for each sample
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| Keywords | root density, tree, slope position, rooting depth, root distribution, pits |
| Methods | * Pits were dug at each location, photographs with scale taken at each site.
* From photographs root intersections identified, marked, and counted.
* Counted data divided according to depth.
* Root distribution found from count data can area of each sample.
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| Sites | Garner Run, Shale Pits |
| Publications | In preparation, contact David Eissenstat (above) |
| Citation | The following acknowledgment should accompany any publication or citation of these data: Logistical support and/or data were provided by the NSF-supported Susquehanna Shale Hills Critical Zone Observatory. |
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