

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>All Properties Cover Type for Google Earth</b>	<i>General landcover data (grassland, hardwood forest, etc.) for all four properties, formatted for Google Earth</i>	KMZ
<b>Arboretum 1ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Nichols Arboretum, with a 1ft contour interval</i>	Shapefile
<b>Arboretum 2010 Aerial Image</b>	<i>1 foot resolution multispectral (includes near infrared band) aerial photograph of Nichols Arboretum and immediate surroundings, taken in 2010</i>	Shapefile
<b>Arboretum 2ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Nichols Arboretum, with a 2ft contour interval</i>	Shapefile
<b>Arboretum 5ft Contours, newer with smaller area</b>	<i>LiDAR-derived topographic data (line shapefile) for Nichols Arboretum, with a 5ft contour interval</i>	Shapefile
<b>Arboretum 5ft Contours, older with larger area</b>	<i>Topographic data (line shapefile) for Nichols Arboretum and surrounding area, with a 5ft contour interval</i>	Shapefile
<b>Arboretum Base Data</b>	<i>Base data layers, such as roads, property lines, etc. for Nichols Arboretum, in ESRI File Geodatabase format</i>	GeoDB
<b>Arboretum Base Data for Google Earth</b>	<i>Base data layers, such as roads, property lines, etc. for Nichols Arboretum, formatted for Google Earth</i>	KMZ

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Resource Name	Description	File Type
<b>Arboretum Boundary</b>	<i>Polygon shapefile delineating the boundaries of Nichols Arboretum</i>	Shapefile
<b>Arboretum Buildings</b>	<i>Polygon shapefile of building footprints at Nichols Arboretum</i>	Shapefile
<b>Arboretum Cover Type</b>	<i>Polygon shapefile of general landcover (grassland, hardwood forest, etc.) for Nichols Arboretum</i>	Shapefile
<b>Arboretum Digital Elevation Model</b>	<i>LiDAR-based digital elevation model (raster file) for Nichols Arboretum</i>	Shapefile
<b>Arboretum Management Zones</b>	<i>Polygon shapefile dividing Nichols Arboretum into zones for internal management purposes</i>	Shapefile
<b>Arboretum Parcels</b>	<i>Polygon shapefile of the different parcels that make up Nichols Arboretum</i>	Shapefile
<b>Arboretum River</b>	<i>Polygon shapefile of the portion of the Huron River that flows through Nichols Arboretum</i>	Shapefile
<b>Arboretum Stream</b>	<i>Line shapefile of the ephemeral stream in the main valley of Nichols Arboretum</i>	Shapefile

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>Arboretum Trails</b>	<i>Line shapefile of roads and foot trails in Nichols Arboretum</i>	Shapefile
<b>Arboretum UM Parcels</b>	<i>Polygon shapefile of University of Michigan properties in and around Nichols Arboretum</i>	Shapefile
<b>Botanical Gardens 1ft Contour</b>	<i>LiDAR-derived topographic data (line shapefile) for the Matthaei Botanical Gardens, with a 1ft contour interval</i>	Shapefile
<b>Botanical Gardens 2ft Contour</b>	<i>LiDAR-derived topographic data (line shapefile) for the Matthaei Botanical Gardens, with a 2ft contour interval</i>	Shapefile
<b>Botanical Gardens 5ft Contour</b>	<i>LiDAR-derived topographic data (line shapefile) for the Matthaei Botanical Gardens, with a 5ft contour interval</i>	Shapefile
<b>Botanical Gardens Access Roads</b>	<i>Line shapefile of vehicle access roads at the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Gardens Aerial Image</b>	<i>1 foot resolution multispectral (includes near infrared band) aerial photograph of the Matthaei Botanical Gardens and immediate surroundings, taken in 2010</i>	Shapefile
<b>Botanical Gardens Area Hydrology</b>	<i>Polygon shapefile of water bodies in and around the Matthaei Botanical Gardens</i>	Shapefile

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>Botanical Gardens Area Streets</b>	<i>Road center lines for the area immediately surrounding the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Gardens Base Data</b>	<i>Base data layers, such as roads, property lines, etc. for the Matthaei Botanical Gardens, in ESRI File Geodatabase format</i>	GeoDB
<b>Botanical Gardens Base Data for Google Earth</b>	<i>Base data layers, such as roads, property lines, etc. for the Matthaei Botanical Gardens, formatted for Google Earth</i>	KMZ
<b>Botanical Gardens Boundary</b>	<i>Polygon shapefile delineating the boundaries of the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Gardens Buildings</b>	<i>Polygon shapefile of building footprints at the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Gardens Cover Type</b>	<i>Polygon shapefile of general landcover (grassland, hardwood forest, etc.) for the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Gardens DEM</b>	<i>LiDAR-based digital elevation model (raster file) for the Matthaei Botanical Gardens and immediate surroundings</i>	Shapefile
<b>Botanical Gardens Fences</b>	<i>Line shapefile of fences at the Matthaei Botanical Gardens</i>	Shapefile

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>Botanical Gardens Management Zones</b>	<i>Polygon shapefile dividing the Matthaei Botanical Gardens into zones for internal management purposes</i>	Shapefile
<b>Botanical Gardens Trails</b>	<i>Line shapefile of foot trails at the Matthaei Botanical Gardens</i>	Shapefile
<b>Botanical Survey Point Data</b>	<i>Point shapefile of selected plants and other features noted during the botanical surveys conducted in 2011-2012</i>	Shapefile
<b>Botanical Survey Spatial Data</b>	<i>Natural features, landcover type, natural communities and soil disturbance data resulting from the botanical surveys conducted in 2011-2012, in ESRI File Geodatabase format</i>	GeoDB
<b>Goodrich Preserve</b>	<i>Polygon shapefile delineating the approximate boundaries of the Washtenaw County Goodrich Preserve, which borders Horner-McLaughlin Woods</i>	Shapefile
<b>Horner-McLaughlin Woods 1ft Contour Clip</b>	<i>LiDAR-derived topographic data (line shapefile) for Horner-McLaughlin Woods, clipped to the University of Michigan property line, with a 1ft contour interval</i>	Shapefile
<b>Horner-McLaughlin Woods 1ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Horner-McLaughlin Woods and surroundings, with a 1ft contour interval</i>	Shapefile
<b>Horner-McLaughlin Woods 2010 Aerial Image</b>	<i>1 foot resolution multispectral (includes near infrared band) aerial photograph of Horner-McLaughlin Woods and immediate surroundings, taken in 2010</i>	Shapefile

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>Horner-McLaughlin Woods 2ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Horner-McLaughlin Woods and surroundings, with a 2ft contour interval</i>	Shapefile
<b>Horner-McLaughlin Woods 5ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Horner-McLaughline Woods and surroundings, with a 5ft contour interval</i>	Shapefile
<b>Horner-McLaughlin Woods Base Data</b>	<i>Base data layers, such as roads, property lines, etc. for Horner-McLaughlin Woods, in ESRI File Geodatabase format</i>	GeoDB
<b>Horner-McLaughlin Woods Base Data for Google Earth</b>	<i>Base data layers, such as roads, property lines, etc. for Horner-McLaughlin Woods, formatted for Google Earth</i>	KMZ
<b>Horner-McLaughlin Woods Boundary</b>	<i>Polygon shapefile delineating the boundaries of Horner-McLaughlin Woods</i>	Shapefile
<b>Horner-McLaughlin Woods Cover Type</b>	<i>Polygon shapefile of general landcover (grassland, hardwood forest, etc.) for Horner-McLaughlin Woods</i>	Shapefile
<b>Horner-McLaughlin Woods Digital Elevation Model</b>	<i>LiDAR-based digital elevation model (raster file) for Horner-McLaughlin Woods and immediate surroundings</i>	Shapefile
<b>Horner-McLaughlin Woods Parcels</b>	<i>Polygon shapefile of the parcels that make up the University of Michigan's Horner-McLaughlin Woods property</i>	Shapefile

# MATTHAEI-NICHOLS SPATIAL DATA DESCRIPTIONS

Resource Name	Description	File Type
<b>Horner-McLaughlin Woods Streambeds</b>	<i>Line shapefile of ephemeral streams in Horner-McLaughlin Woods</i>	Shapefile
<b>Horner-McLaughlin Woods Trails</b>	<i>Line shapefile of foot trails at Horner-McLaughlin Woods</i>	Shapefile
<b>Horner-McLaughlin Woods Wetlands</b>	<i>Polygon shapefile of wetlands, including vernal pools, at Horner McLaughlin Woods</i>	Shapefile
<b>MBGNA Cover Type Geodatabase</b>	<i>General landcover data (grassland, hardwood forest, etc.) for all four properties, in ESRI File Geodatabase format</i>	GeoDB
<b>MBGNA Natural Communities for Google Earth</b>	<i>Surveyed natural communities on all four properties, formatted for Google Earth</i>	KMZ
<b>Mud Lake Bog 1956 Forest Stands</b>	<i>Polygon shapefile of forest stand types at Mud Lake Bog as mapped in 1956</i>	Shapefile
<b>Mud Lake Bog 1ft Contour</b>	<i>LiDAR-derived topographic data (line shapefile) for Mud Lake Bog and surroundings, with a 1ft contour interval</i>	Shapefile
<b>Mud Lake Bog 2010 Aerial Image</b>	<i>1 foot resolution multispectral (includes near infrared band) aerial photograph of Mud Lake Bog and immediate surroundings, taken in 2010</i>	Shapefile

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Resource Name	Description	File Type
<b>Mud Lake Bog 2ft Contours</b>	<i>LiDAR-derived topographic data (line shapefile) for Mud Lake Bog, with a 2ft contour interval</i>	Shapefile
<b>Mud Lake Bog 5ft Contours</b>	<i>Topographic data (line shapefile) for Mud Lake Bog, with a 5ft contour interval</i>	Shapefile
<b>Mud Lake Bog Base Data</b>	<i>Base data layers, such as roads, property lines, etc. for Mud Lake Bog, in ESRI File Geodatabase format</i>	GeoDB
<b>Mud Lake Bog Base Data for Google Earth</b>	<i>Base data layers, such as roads, property lines, etc. for Mud Lake Bog, formatted for Google Earth</i>	KMZ
<b>Mud Lake Bog Boundary</b>	<i>Polygon shapefile delineating the boundaries of Mud Lake Bog</i>	Shapefile
<b>Mud Lake Bog Cover Type</b>	<i>Polygon shapefile of general landcover (grassland, hardwood forest, etc.) for Mud Lake Bog</i>	Shapefile
<b>Mud Lake Bog Digital Elevation Model</b>	<i>LiDAR-based digital elevation model (raster file) for Mud Lake Bog and immediate surroundings</i>	Shapefile
<b>Mud Lake Bog Trail</b>	<i>Line shapefile for the foot trail at Mud Lake Bog</i>	Shapefile



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Resource Name	Description	File Type
<b>Surveyed Natural Communities (all properties)</b>	<i>Polygon shapefile of natural communities surveyed in 2011-2012 on all four properties</i>	Shapefile