

LIDAR in the Pines 2017

by Boyd Ostroff, revised 1/12/2018

OVERVIEW

LIDAR in the Pines 2017 is a map of Southern New Jersey that merges aerial photography with LIDAR elevation data to produce a 3d effect accenting surface features that wouldn't otherwise be visible in the flat terrain. This map is an update to the original 2015 **LIDAR in the Pines**, featuring:

- Expanded coverage area
- Higher resolution with enhanced detail
- Universal format works on computers, mobile devices and dedicated GPS units
- Paved roads with route numbers and highway exits
- 6 zoom levels make it well suited for vehicle use with iOS or Android apps



LIDAR in the Pines 2017 was created by mapping the NJ 2012 aerial imagery onto an exaggerated 3D model of the terrain, revealing small height changes that are not normally visible.

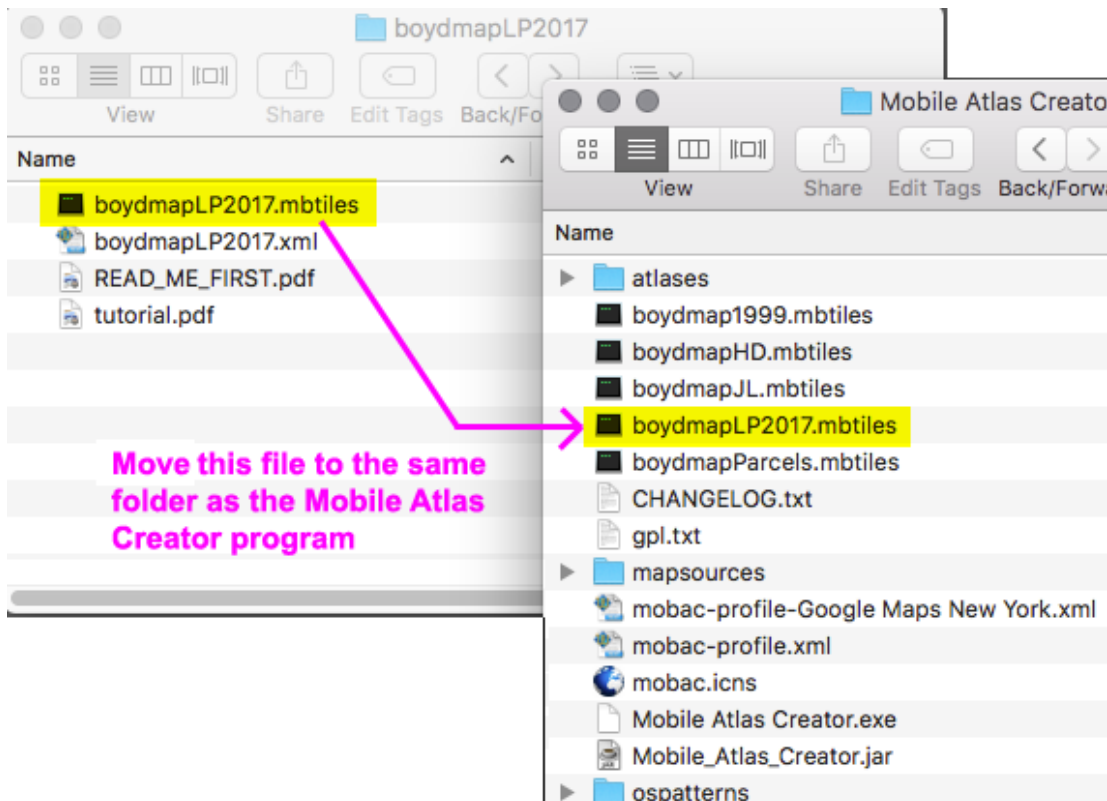
The aerial photography has been sampled at 6 feet per pixel, which is roughly equivalent to a map scale of 1:6000. This map has 6 layers, allowing features like roads and route numbers to be readable as you zoom in and out.

MAP INSTALLATION

Before installing the map, please read the license agreement at the end of this document.

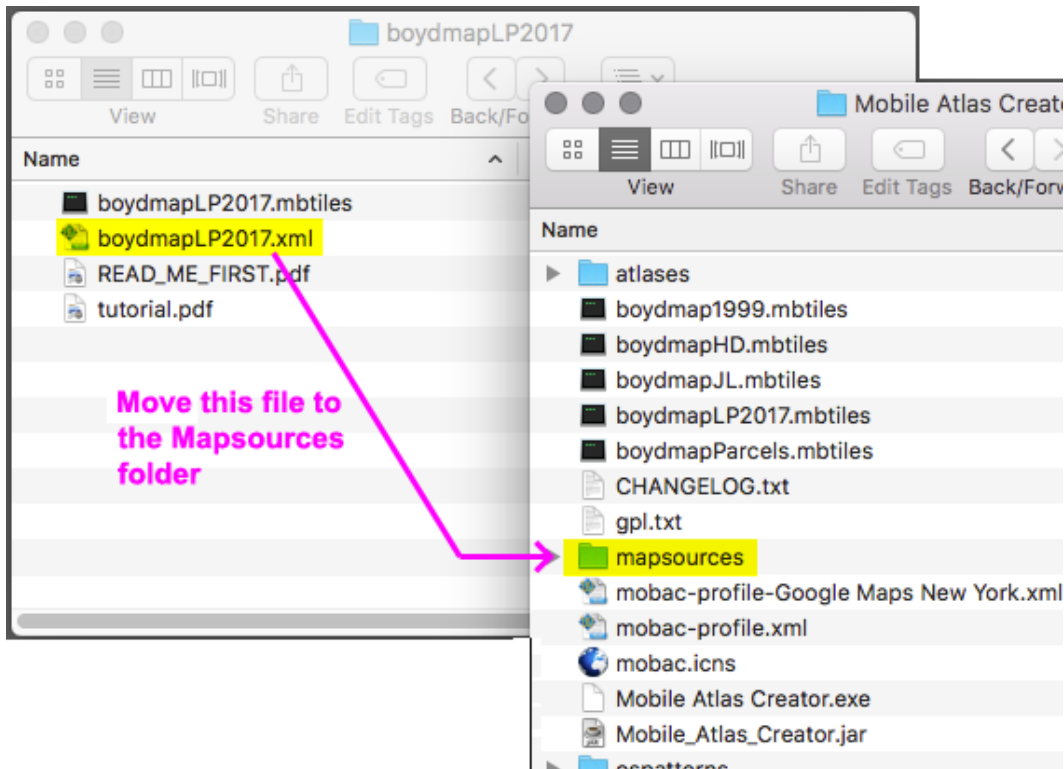
This map requires **Mobile Atlas Creator** (MOBAC) on your computer. If you have not yet installed **MOBAC**, you must install it before proceeding. The included file **tutorial.pdf** includes detailed instructions.

After installing **MOBAC** you may proceed with map installation, which is very simple and only involves moving two files.

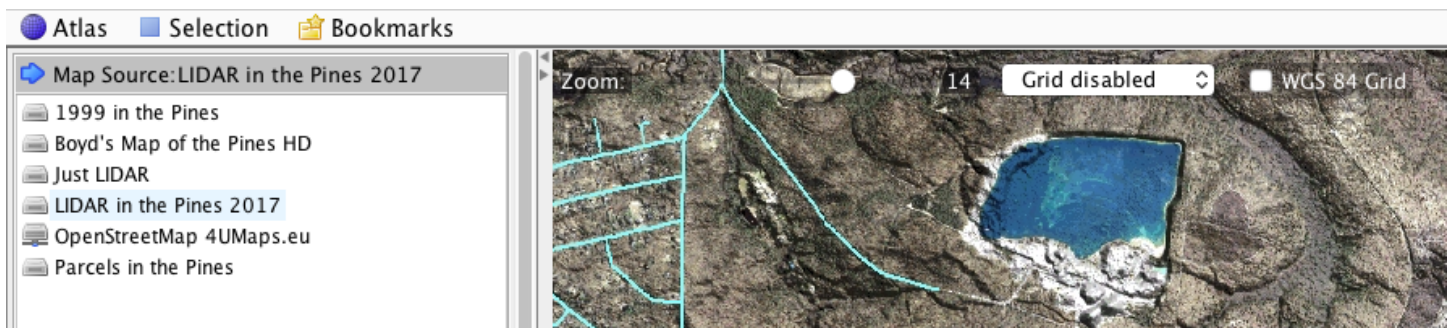


Move the file named **boydmapLP2017.mbtiles** to the same folder as the Mobile Atlas Creator program

Now move the file named **boydmapLP2017.xml** to the **mapsources** folder.



Start **Mobile Atlas Creator** and you should be able to choose **LIDAR IN THE PINES 2017** from the Mapsource list. See the **tutorial.pdf** file that is included in this distribution for help with **Mobile Atlas Creator**. It includes step-by-step instructions for installing the map on smartphones, handheld GPS units and computers.



RESOURCES

Download the map:

<https://boydsmaps.com/lidar-in-the-pines-2017/>

Read the **Mobile Atlas Creator** tutorial:

<https://boydsmaps.com/docs/Using-Mobile-Atlas-Creator-with-Boyd's-Maps.pdf>

Visit <https://boydsmaps.com> for more maps

DATA SOURCES

New Jersey 2012-2013 High Resolution Orthophotography provided by the NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS)

https://njgin.state.nj.us/NJ_NJGINExplorer/ShowMetadata.jsp?docId=DF49386A-73AC-4A1A-B6DC-13B769E176A4

3DEP 1/9 arc-second LIDAR DEM elevation data provided by the US Geological Survey, Department of the Interior

<https://catalog.data.gov/dataset/national-elevation-dataset-ned-1-9-arc-second-downloadable-data-collection-national-geospatial>

New Jersey Road Network data provided by the NJ Department of Transportation

<http://www.state.nj.us/transportation/gis/data.shtm>

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