

1.2d How to use ArcGIS to determine predominant land use

Get the Esri ArcGIS School Bundle

In order to get access to some of the higher quality map layers, you must have the Free ArcGIS for Schools Bundle. According to Esri:

The ArcGIS for Schools Bundle is available at no cost for instructional use to individual US K–12 schools, school districts, and states direct from Esri. Beyond the United States, the bundle is available to schools worldwide through Esri's network of international distributors. Every public, private, home school, and youth-serving club is eligible.

You can learn more about the free products they offer for schools and request a bundle for your school at:

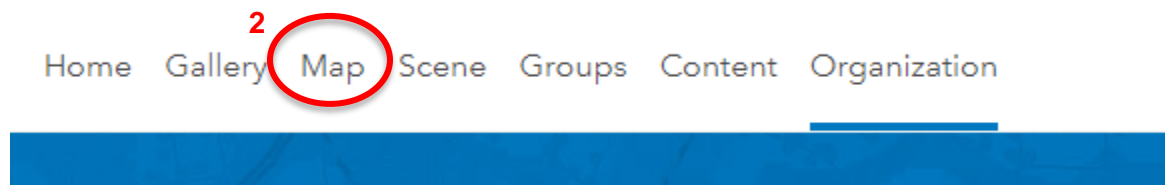
<https://www.esri.com/en-us/industries/education/schools/schools-mapping-software-bundle>.

Once you have an account set up you have access to ESRI's exclusive content for subscribers. This will let you obtain recent land use data.

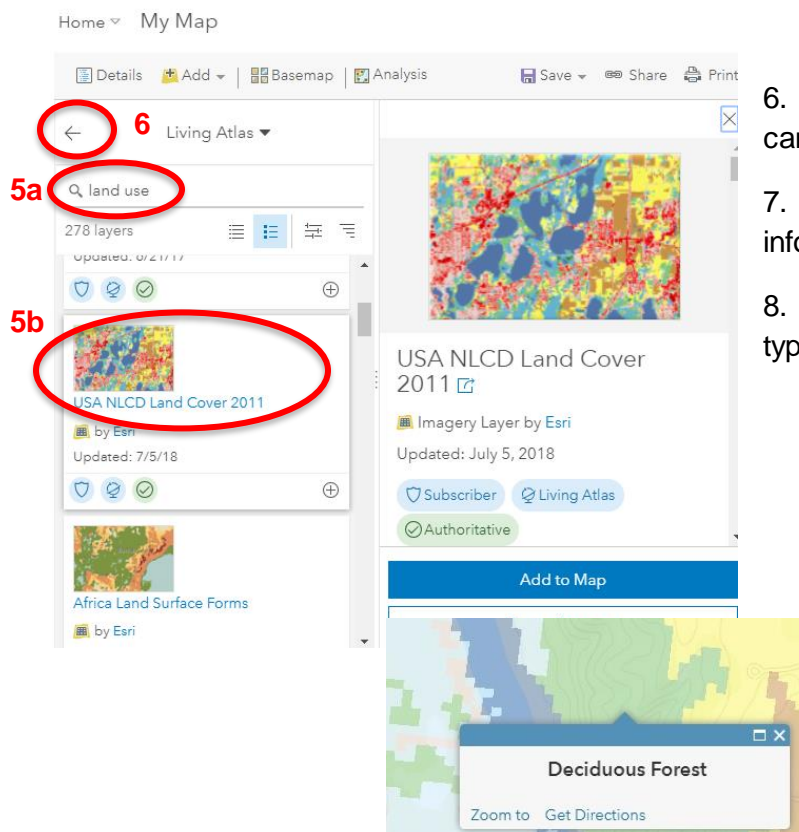
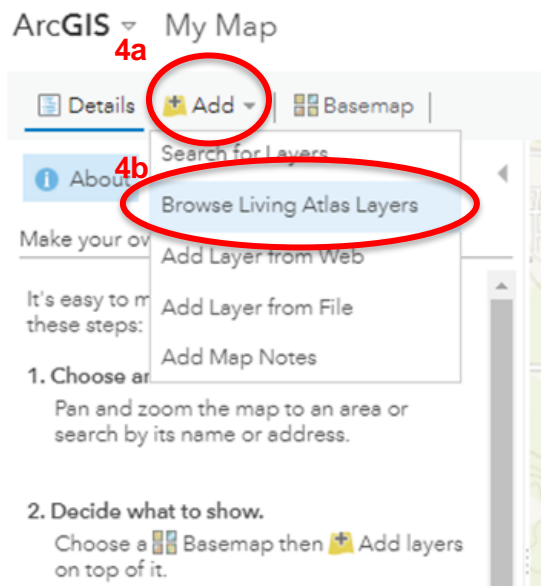
Create a Map with Land Use Data

1. Go to <https://www.arcgis.com/home/signin.html> and sign in.

2. After you have signed in, click on Map at the top of the webpage.



- Zoom in on the map to the area that shows the upstream watershed of your site (use the Find My Watershed Mapping Tool from the Lower Grand River Organization of Watersheds (LGRW) Michigan, if you need to remember your watershed boundaries).
- To add the land use layer to the map, click on Add, then Browse Living Atlas Layers.
- Next in the Search for Layers box type **Land Use**. Use the scroll bar to the right to the layers to find USA NLCD Land Cover 2011. Click on it and chose to add to map.



- Once you have added the map, you can click on the back arrow at the top left.
- Next, select legend from the information bar to show the map legend.
- You can also find any land use cover type by clicking on the map.

