Montana Lidar Inventory

Help Document

Through the Montana Lidar Inventory, users can view, download, and request lidar data.

Use the Viewer to:

- Find (filter) lidar projects based on:
 - Downloadable Data v. Request Only v. Not at the Montana State Library
 - Project Status (completed, in-progress, planned), Recent Collections (<5 years), and Quality Level
 - Availability of contours and building footprints
- View lidar-derived products, including bare-earth DEM, surface DEM, intensity, hillshade, slope, aspect
- Download and request lidar data
- Search by Address, Save and print maps, Identify elevations, and Measure distances and areas
- Compare various GIS layers using a Swipe Tool.

This application was developed by the GIS programmers at the Montana State Library with support from the USDA- MT Natural Resources Conservation Service



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Introduction to the Montana Lidar Inventory: View, Download, Request

This application was built using Esri's Experience Builder in ArcGIS Online. ArcGIS Online is a cloud-based environment for storing and managing geographic content. It enables users to create and share maps and explore data through a web browser.

Once you have navigated to the Montana Lidar Inventory through a web browser and opened the "View, Download, and Request" page, the application opens to a map of Montana with Lidar Project Area boundaries in the foreground. The currently available lidar is also displayed as a hillshade generated from the 1-meter, bare-earth digital elevation model. As you navigate to projects with lidar data available for download and zoom in, the Quads with Downloadable Lidar layer displays. Lidar-derived raster products may be downloaded for an entire project area or by Quad.

Help Document Outline

Step 1 – Selecting a Basemap

Step 2 – Viewing the Data Layers and Legend

Step 3 – Changing the map extent

Step 4 – Navigating to an area of interest, searching, and bookmarks

Step 5 – Tools: Filters

Step 6 – Tools: Measure

Step 7 – Tools: Swipe

Step 8 – Tools: Print

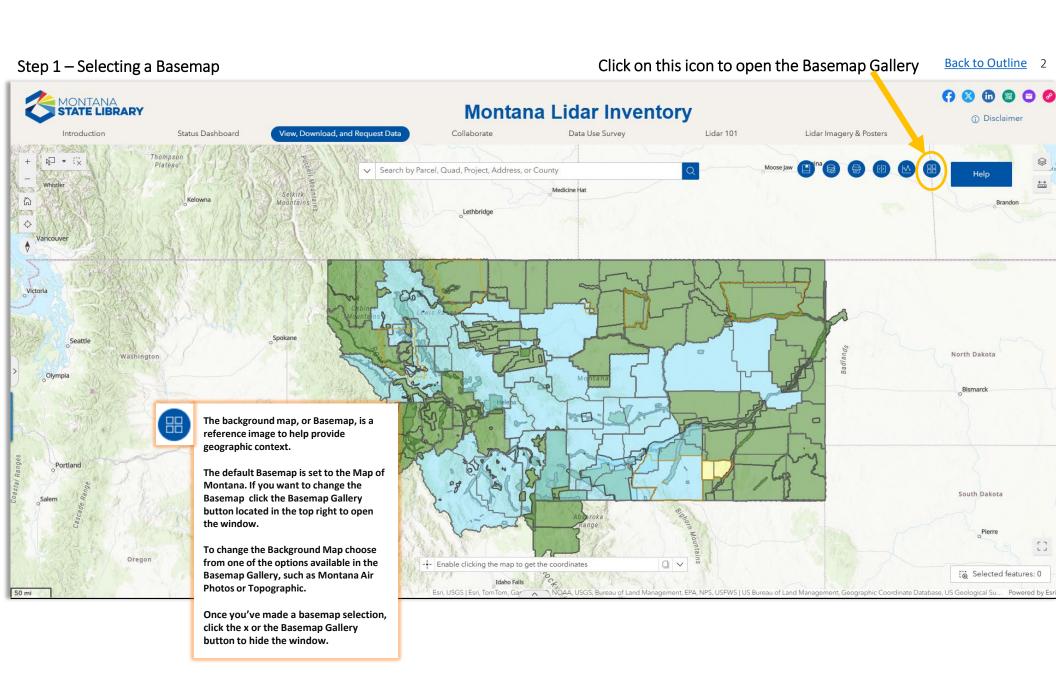
<u>Step 9 – Tools: Elevation Profile</u>

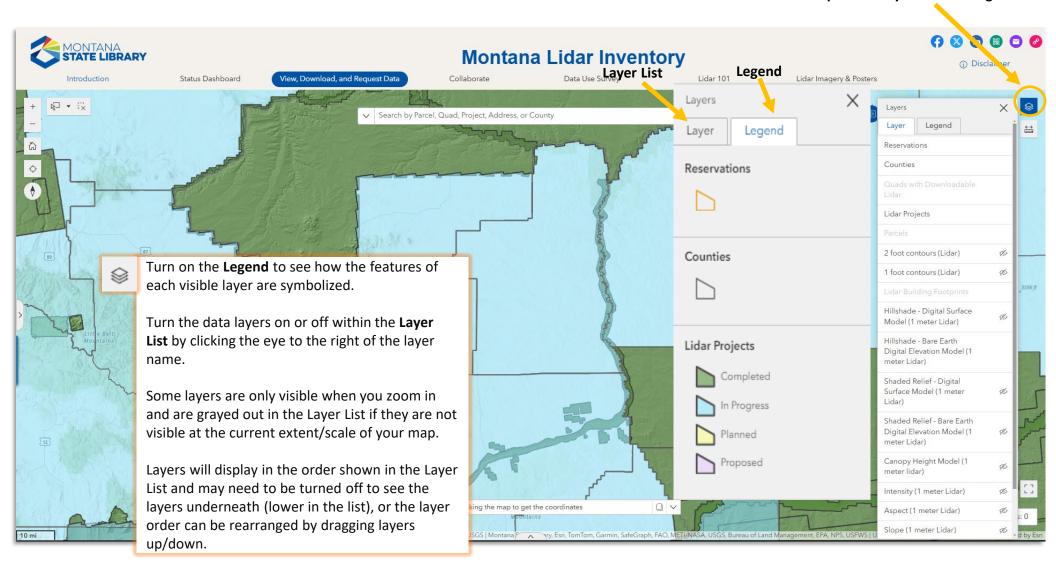
Step 10 -Tools: Add Data

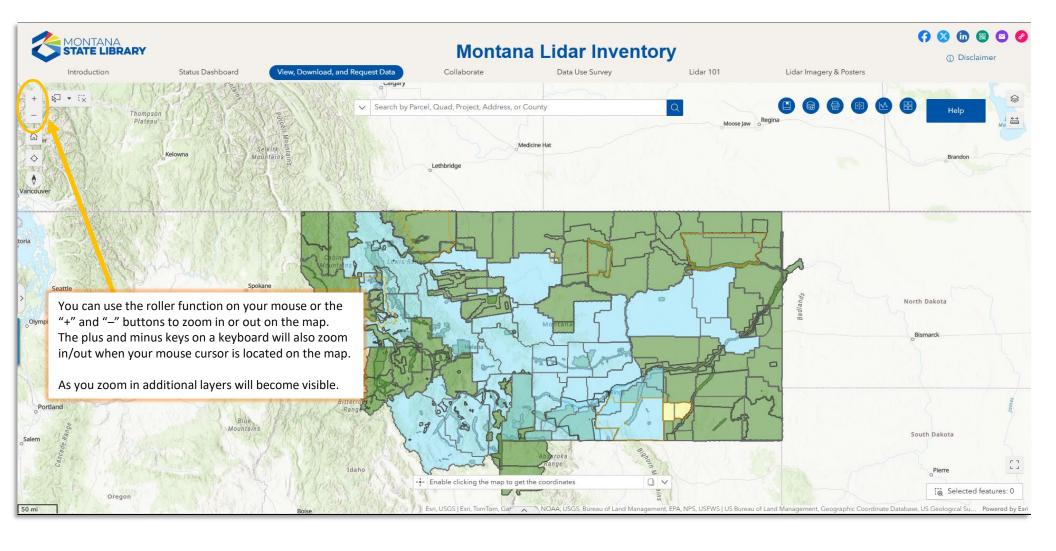
Step 11 – Identifying Features and Downloading Data

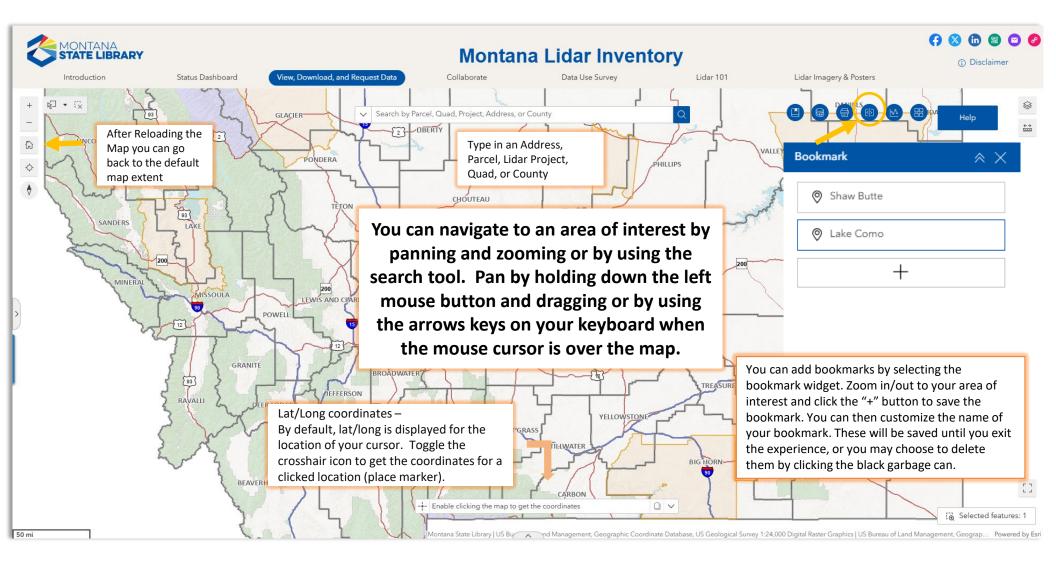
Step 12 – Viewing Layer Attribute Tables

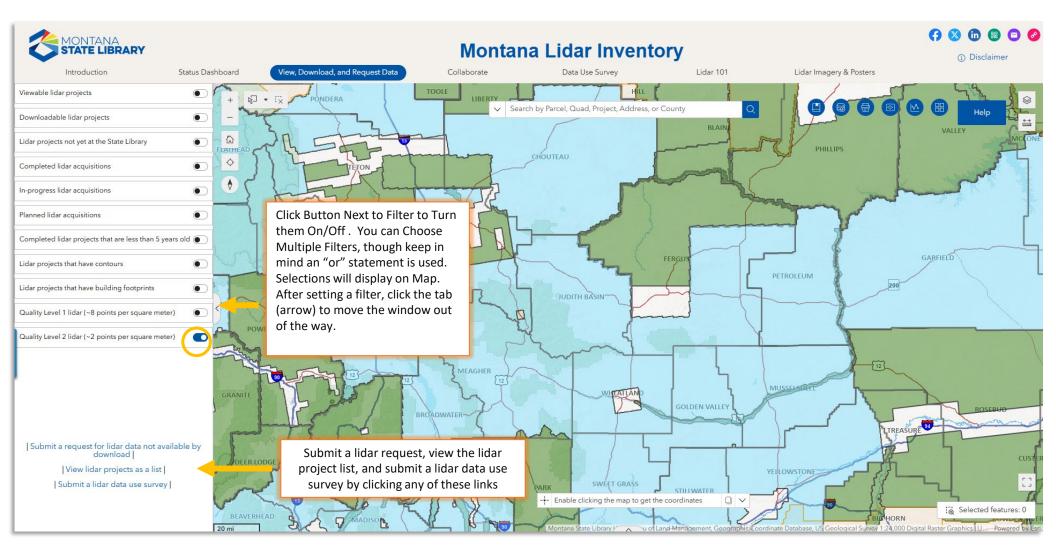


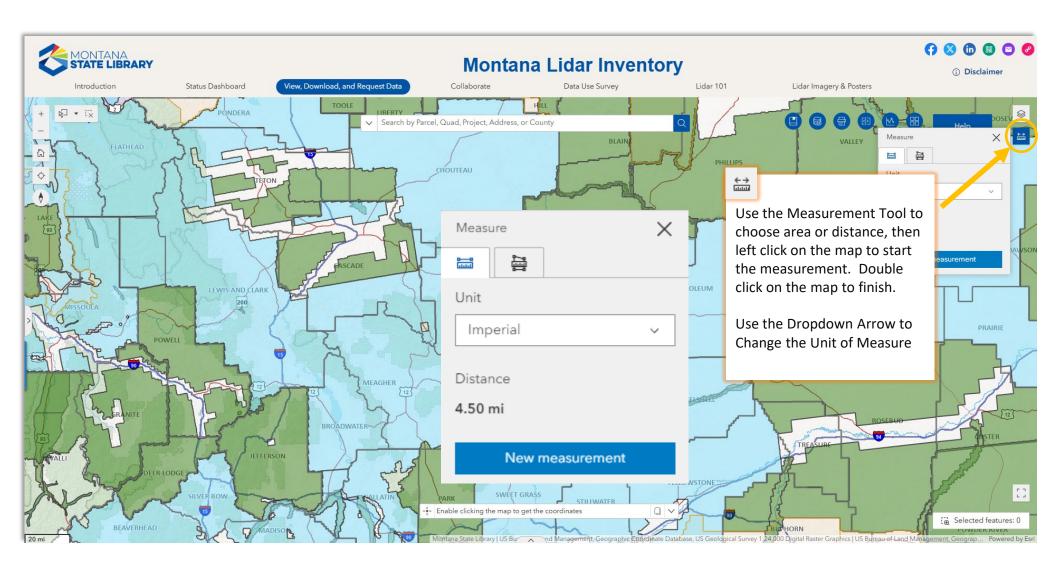


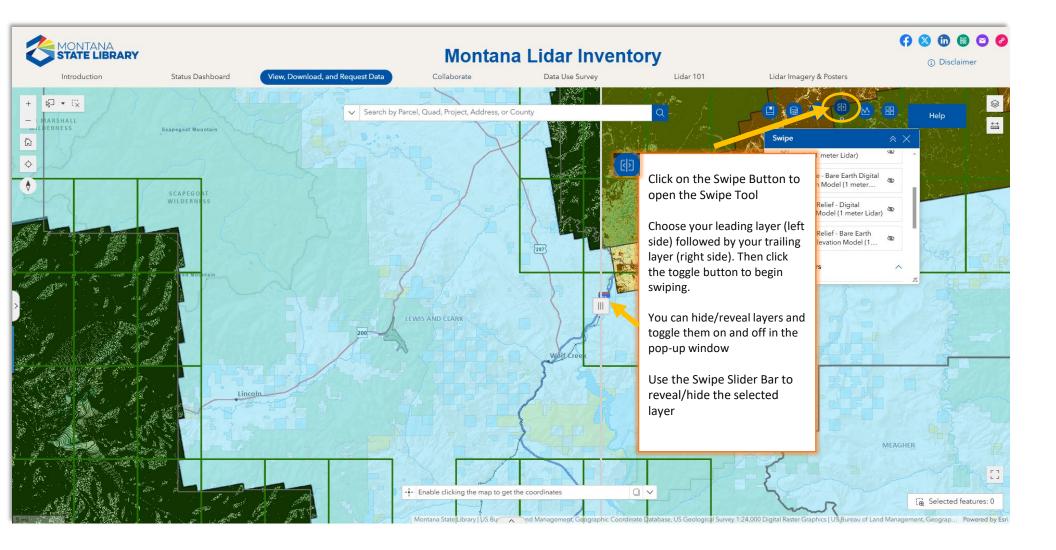




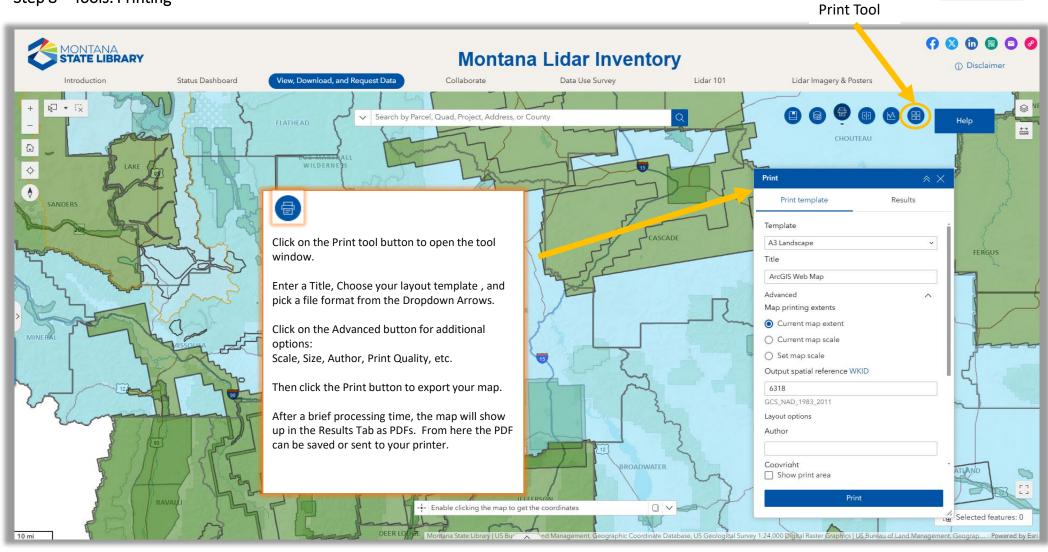






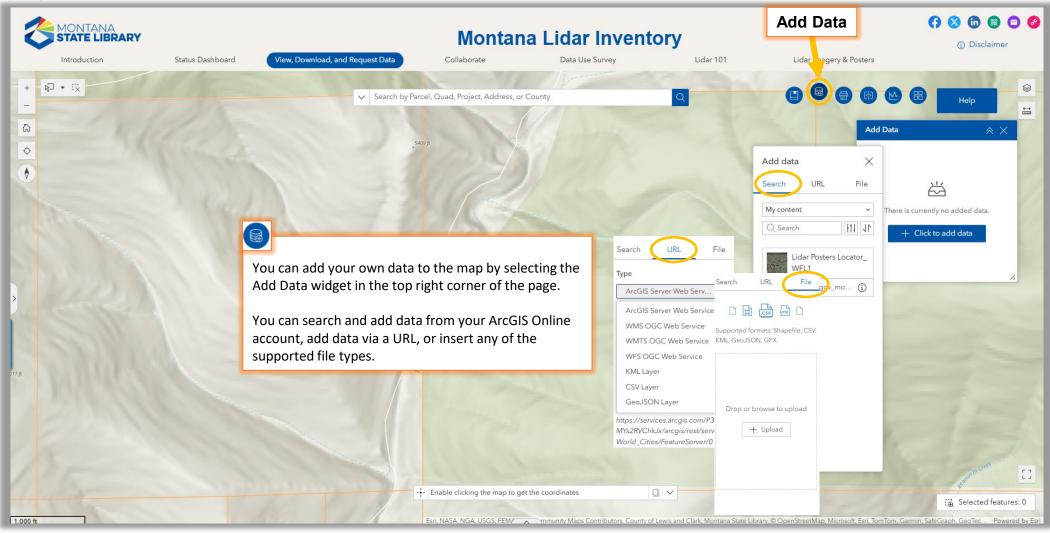




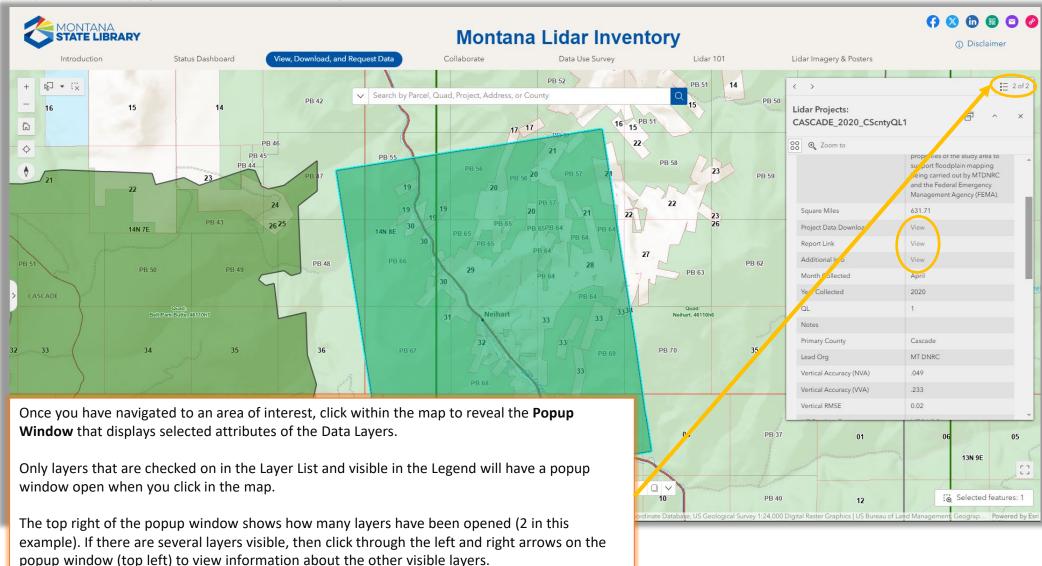


Step 10 – Tools: Add Data

Back to Outline 11



Click on Links ("View") in the Popup to Download Data or View Reports



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