



# **GIS Coordinator's Report**

---

**Montana Land Information Advisory Council Meeting**

Erin Fashoway

April 5, 2022

# TOPICS

---

**01. New Hires**

---

**02. Outreach &  
Training Activities**

---

**03. 9-1-1 Initiative  
Update**

---

**04. Montana Lidar  
Update**

---

**05. RTN & MSDI  
Partner Training  
Subgroup**



# New Hires

---

## Kazi Arifuzzaman – RTN Coordinator – December

Kazi joined the MSL Team in December 2021 as the both the State Library's & Montana's first RTN Coordinator. Kazi worked at Idaho State University as the geodetic coordinator and instructor. He was the geodetic coordinator for the state of Idaho for more than 5 years.

Kazi has a Ph.D. in geodesy from University of Connecticut with extensive research experience in geoid modeling. He played an important role in expanding base stations with real time network coverage in Idaho and was instrumental in setting up control point standard for Idaho.

## Patrick Jackson – GIS Technician – April 25<sup>th</sup>

Patrick Jackson is originally from Chicago, and moved out to Montana to attend Montana State University where he graduated with a degree in environmental science and geospatial analysis. After graduating he began working for the Yellowstone Ecological Research Center, originally as a field scientist focusing on soil and vegetation monitoring, and later as a land surveyor for their conservation projects. He joined the water information team at MSL last spring focusing on lidar and is excited to be continuing to work as a GIS tech to support everything MSL does.

# Outreach Activities

## MSDI/GIS Coordination

- Confederated Salish & Kootenai Tribes - March
- Lake County - March
- City of Great Falls - March
- Cascade County - March
- Fergus County - March
- MAGIP Annual Conference - April
- MACo Mid Year Conference - February
- MARLS – February
- NSGIC – February

## MLIA Grantees

- Pondera County – March
- Fergus County – March

## Land & Water Information

- Drought status and outlook for MT Drought Task Force – March
- Water Info update for the Water Policy Interim Committee – March
- Fergus County – 9-1-1 – March
- Butte/Silver Bow – 9-1-1 – March
- Park County – Cadastral – April
- City of Livingston – Cadastral – April
- City of Bozeman – Cadastral – April

# Training Activities



## MLIA Grant Program

- AmpliFund Applicant Training– 1/25/2022 – Using the AmpliFund Grant Management Tool
- MLIA Grant Writing – 1/28/2022 – Grant Writing Techniques
- MLIA Grant Project Management – TBD Summer 2022 – Principals of Grant Management.

## MSDI, Land Information, & Water Information



- NHP Partners Training – December 2nd – Bundler, Digital Atlas, MSDI and other GIS resources
- NRCS brown bag – March 18th - Ecological Site Reviewer App (recorded)
- NRCS brown bag – March 23rd – MSL resources for natural resources planning (recorded)
- NRCS brown bag – April 13th – Avenza Maps overview

# 9-1-1 GIS Data Initiative

## Cloud-based validation and aggregation tool

- Contract awarded to 1Spatial
- Currently working on implementation
- Expect to be training, onboarding GIS data providers in next month or so

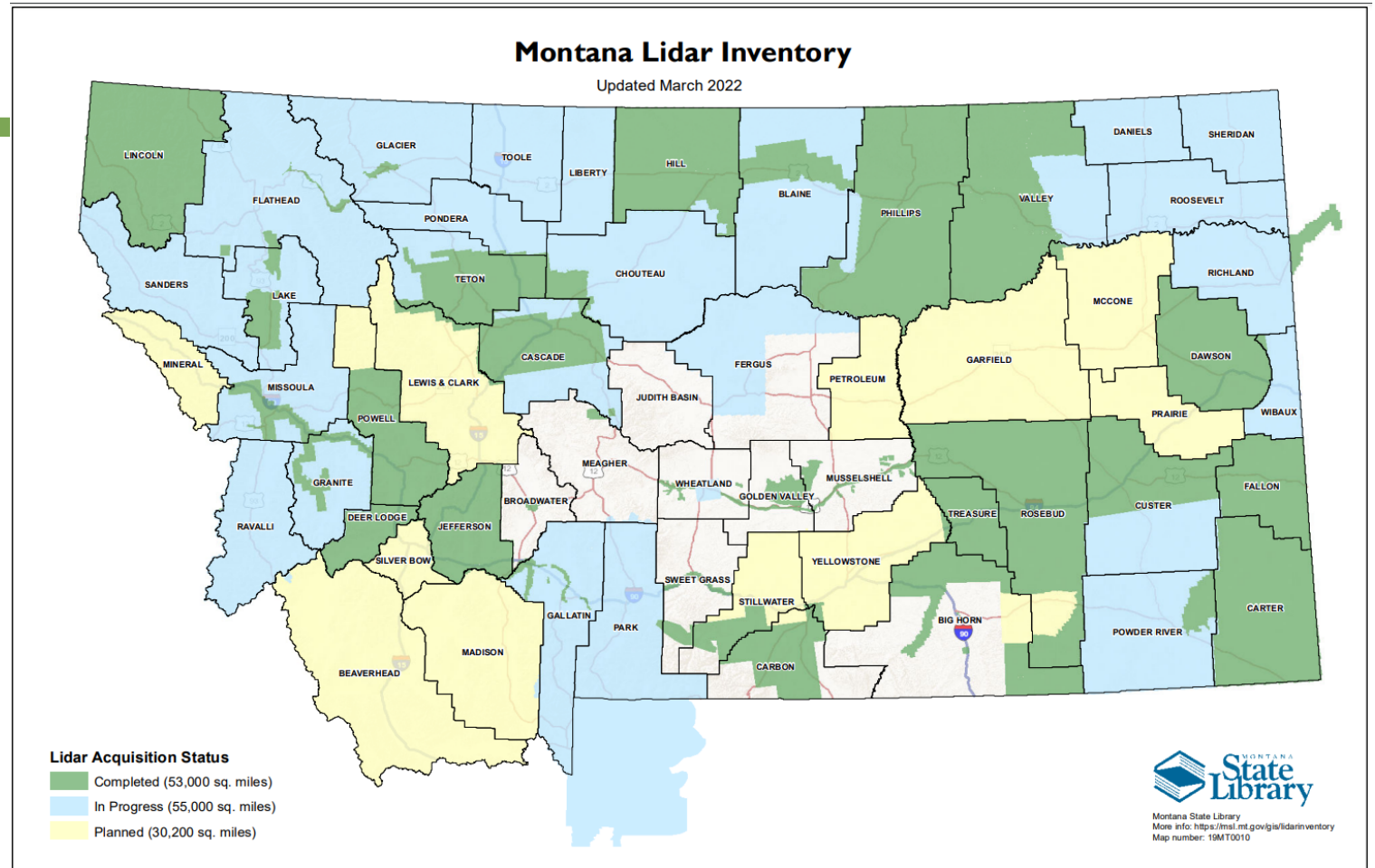
## PSAP / local, tribal government 9-1-1 GIS support

- MSL providing assistance with GIS workflows, tools, products to aid in development and maintenance of required NG9-1-1 datasets
  - Butte-Silver Bow
  - Teton
- Additional outreach with:
  - Lincoln, Park, Daniels, Gallatin, Madison, Fergus, Sheridan

# Montana Lidar Update

## 2022 Lidar Acquisitions

- Approx. 30,000 square miles (~\$6M)
  - MT 3DEP project – 22,000 sq miles
  - Additional direct fed partnership – 8,000 square miles*(Everything in yellow on the map).*
- Big thanks to 2022 funding partners!
  - NRCS
  - USFS
  - BLM
  - U.S. Fish and Wildlife Service
  - USGS



Approx. 88% of the state is complete, in-progress or planned.  
(Remaining to finish statewide coverage: ~17,000 square miles)  
On track to complete statewide lidar coverage by 2024/2025.

# RTN Update



## Recent Accomplishments

- Established a pilot RTN w/support from Montana Legislature.
- MDT purchased Trimble Pivot to operate Montana RTN.
- Extended pilot until 12/31/2022.



## Update on Progress

- Successful migration to new RTN Server
- 34 entities using the pilot
- Working to establish a subscription-based model.

# MSDI Partner Training Program

Two horizontal bars, one green and one olive green, positioned below the title.

Requesting a 2 Council Volunteers