

Montana Elevation Working Group: 2021 Lidar Funding Partners

Agenda

October 8, 2020, 11:00a-12:00

1. Overview of USGS 3D Elevation Program BAA application process
 - Important dates
2. Review and finalize areas of interest for lidar acquisition in 2021
3. Identify funding partners

USGS 3DEP Broad Agency Announcement

Overview of USGS 3DEP BAA Application

- The 3DEP Broad Area Announcement is now open. [Link here \[usgs.gov\]](https://www.usgs.gov).
- Montana State Library will serve in coordination role, seek review from all funding partners, and complete the application.
- A good-faith funding commitment from each partner needs to be included with the application.
- If successful, each funding partner will need to have an interagency agreement (IAA) or joint funding agreement (JFA) in place with the USGS 60-days before lidar acquisition begins. Approximately February 2021.
- If successful, lidar acquisition will begin spring 2021 after snow off or fall 2021 before snow fall.
- Lidar data available [approximately fall/early winter 2022](#).
- **The USGS takes care of contracting, project management, QC, and technical aspects of the lidar acquisition and deliverables.**

USGS 3DEP Broad Agency Announcement

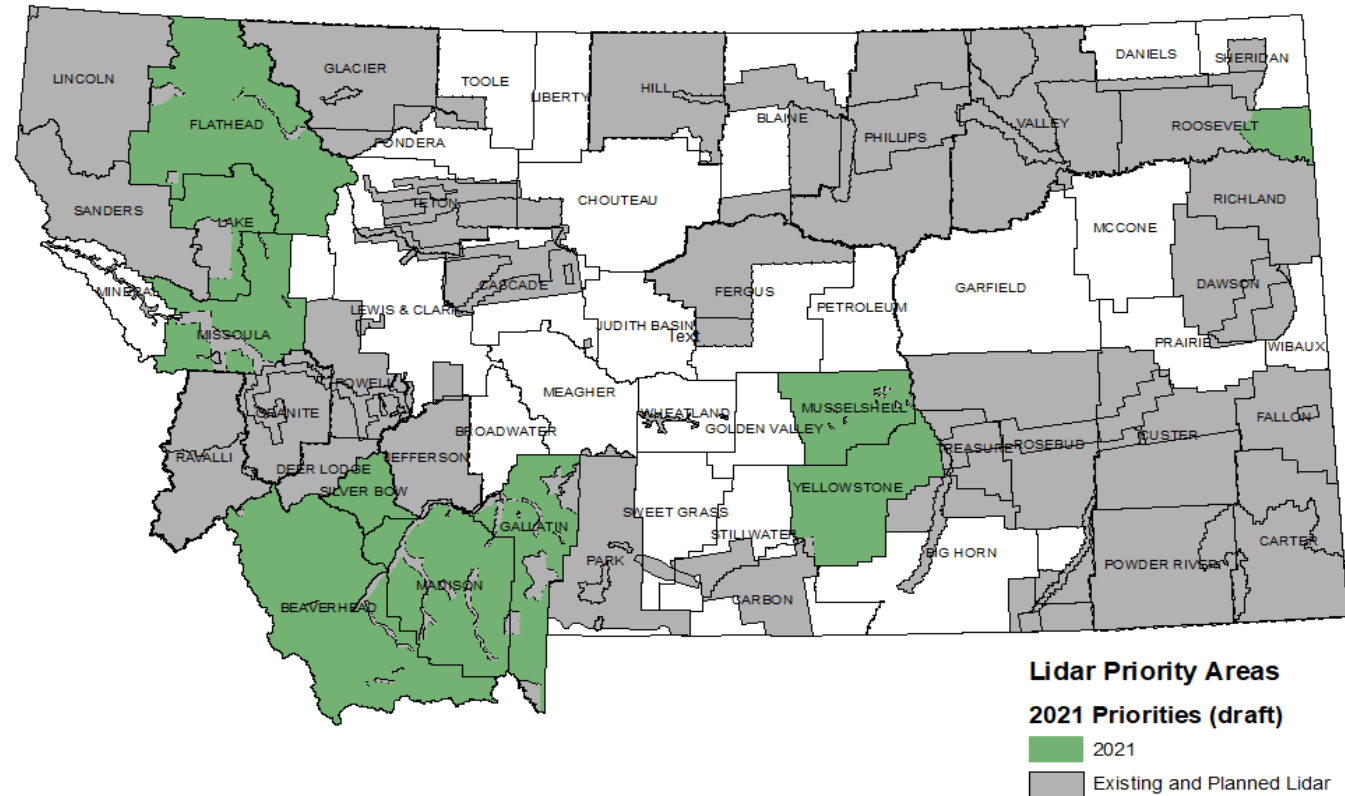
Important dates

- A. Request for cost estimate (USGS IGCE): Oct. 16
Other option is an estimate from vendor
- B. Good-faith signature from funding partners: Nov. 6
- C. Proposals Due: November 13
- ❖ *Formal funding agreements between USGS and each funding partner need to be in place 60-days prior to acquisition (approx. Feb 2021)*

October 2020							November 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3	1	2	3	4	5	6	7
												B	
							4	5	6	7	8	9	10
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							29	30					

Montana Elevation Working Group Top Priorities for Lidar Acquisition, 2021 (PRELIMINARY)

2021 Lidar Area of Interest



Lidar Priority Areas
2021 Priorities (draft)
■ 2021
■ Existing and Planned Lidar

County Name	Organization with Priority AOI in County	SQMILES of Lidar Remaining	Est. Cost QL2	Est. Cost QL1
FLATHEAD	City of Whitefish, MBMG, USFS, Glacier National Park, USFWS, Lower Clark Fork Watershed Group, NRCS, DNRC-forestry and water	5003	\$1,250,772	\$2,001,236
GALLATIN	Craighead Institute, USFS, DNRC-water, NRCS, Montana State University, City of Bozeman	1953	\$488,362	\$781,379
LAKE	USFS, MBMG, NRCS, University of Montana, DNRC-forestry	1258	\$314,600	\$503,359
MADISON	USFS, PRI Center for Paleontology, MBMG, Montana State University	3202	\$800,405	\$1,280,648
MISSOULA	USFS, DEQ, MBMG, Missoula County, University of Montana	2183	\$545,728	\$873,164
YELLOWSTONE	DEQ, NRCS, DNRC-water	2563	\$640,787	\$1,025,259
MUSSELSHELL	USFWS, MBMG, DEQ	1817	\$454,217	\$726,747
ROOSEVELT	NRCS, MBMG, DNRC-water	601	\$150,189	\$240,303
SILVER BOW	USFS, MBMG, DNRC-water	685	\$171,292	\$274,067
BEAVERHEAD	USFS, USFWS, MBMG	5379	\$1,344,711	\$2,151,538

Estimated Total
\$6.2 million
 At Quality Level 2
 (24,000 square miles)

2021 Funding Partners

2021 Funding Partners	Funding	Status	Primary Use
NRCS (MT office)	\$750,000	Confirmed - Ready to go	high hazard dams; natural resources and conservation planning; private lands
Glacier National Park	\$5,000	Confirmed - Ready to go	Veg. characterization; cultural resources
DNRC Trust Lands Div	\$1,000	Likely	forest assessment
USFS Region 1	\$50,000	Likely	flathead nf, gallatin, missoula; beaverhead deerlodge
Flathead National Forest	\$5,000	Likely	Luke
U.S. Fish and Wildlife Service	\$25,000	Potential	
Montana Bureau of Mines and Geology	\$20,000	Potential	groundwater investigation program; geological mapping; hazard mapping
Montana Dept. of Environmental Quality		Potential	active coal mines
Bureau of Land Management		Potential	
USGS (Northern Rocky Mountain Science Center)		Potential	drought basins; Clint
DNRC Trust Lands - Mineral Division	\$5,000	potential	Trevor Taylor
Total	\$861,000		ideally 40% or more of BAA cost is covered by partners
<i>Others? Montana State University, DNRC Trust Lands, Missoula County, Gallatin County, City of Bozeman, Madison County, City of Whitefish, Flathead County, Rocky Boys</i>			planning (Big Sky); Bridger Foothill fire (mass wasting)

Next Steps

- MSL will request cost estimate either from USGS or vendor(s) within next week or so.
- Funding partners - Send a signed [Attachment D, “Validation of proposed funding partners”](#) to Troy by Nov 6.
- MSL will draft application and send to all partners for review by early November.
- MSL will submit application by Nov. 13th
- Award announcements ~Dec/Jan