

VTeam LiDAR Workgroup (EGC)

Meeting Minutes 7/17/2013 - 2:00 PM

Minutes	
Time	Topic
2:00 PM	July Team LiDAR Meeting
To	Updates on currently scheduled LiDAR acquisitions
2:50 PM	<ul style="list-style-type: none"> • Addison County – Data has been delivered, Jarlath has in-house • Rutland/Grand Isle Counties – Scheduled for a Fall flight, funding has been allocated, a contractor has not been selected. (8/15/13 note: This acquisition will include all of Rutland County but not the Lincoln/Starksboro “data gap/sliver” (only outstanding extent for the Otter Creek Subbasin)) • Little River – Included in the Rutland collection.
	Mike Brouillette
	<ul style="list-style-type: none"> • Presented the VSJF solar siting prototype for the team on WebEx (http://bit.ly/194YL99). • Provided an explanation of the status of VCGI’s CIG grant. With VCGI unable to include indirect costs in the proposal the overall funding outlay for VCGI would have been too large. VCGI will pursue the effort anyway, albeit maybe with less funding dedicated to it.
	Lin Neifert
	<ul style="list-style-type: none"> • The window for identifying acquisition requests next year through USGS is closing. We will need to get any requests we may have together ASAP.
	Dave Brotzman
	<ul style="list-style-type: none"> • There is a new effort under discussion in ANR and the Administration called Focus on the flooding. The state will be coordinating with this project and will create a “Focus on Floods” resource to help Vermont communities increase their resilience to flooding and severe flood damage.
	Tom Berry
	<ul style="list-style-type: none"> • International Joint Commission for Lake Champlain may get as much as 15M in funding for landscape and watershed modeling in VT, NY and Quebec.
	Lin Neifert
	<ul style="list-style-type: none"> • We need to know what we have left and what it will cost.
	Reed Sims
	<ul style="list-style-type: none"> • Our recent success has proven that if we are prepared we have a better chance at getting funding. Lin Neifert – Agreed
	Jarlath O-D
	<ul style="list-style-type: none"> • We need to put together a presentation that we could take to potential funding sources that graphically shows the value of LiDAR to their area of business.

- Hudson – Hoosic data is available, but there appears to be a gap in the data. J O-D will look into it.

Mike Brouillette

- Described what is meant when we say data is available on a “brick” (data can be purchased on a hard drive.)

Johnathan Croft

- VTrans was shown a demonstration in the use of LiDAR in evaluating flood damages. Sue Minter is the contact person.

Dan Currier

- Joe Segale at VTrans was interested in using LiDAR for analysis of the transportation network.

The next meeting of VTeam LiDAR will be tentatively scheduled during the week of Sept. 9-13. Mike Brouillette will coordinate.

Attendee	Present
Daniel Currier (CCRPC)	x
Lester I Neifert (USGS)	x
David Brotzman (VCGI)	x
Tom Berry (Sen. Leahy)	x
Diane Burbank (USFS)	x
Pam Brangan (CCRPC)	x
Jarlath ONeil-Dunne (UVM-SAL)	x
Johnathan Croft (VTRANS)	x
Reed Sims (NRCS)	x
Mike Brouillette (VCGI)	x
Ivan Brown (VCGI)	x
Tom Tenyah (USFS)	x

Michael Trunzo (VTrans)	x
Johnathan Croft (VTrans)	x

National Digital Elevation Program (NDEP)

+ Data Quality Level Choices

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Quality Levels	Data Source	Horizontal Resolution	Vertical Accuracy	
		Point Density	RMSEz in Open Terrain	Equivalent Contour Accuracy
QL 1	LiDAR	8 points/m ²	9.25 cm	1 foot
QL 2	LiDAR	2 points/m ²	9.25 cm	1 foot
QL 3	LiDAR	1 - 0.25 points/m ²	≤18.5 cm	2 feet
QL 4	Imagery/ LiDAR	1 - 0.04 points/m ²	46.3 - 139 cm	5 - 15 feet
QL 5	Imagery/ IFSAR	0.04 points/m ²	92.7 - 185 cm	10 - 20 feet

Bathymetric LiDAR requirements assessed for three Quality Levels to include Low, Standard and High. Standard Quality Level (3-5 meter post spacing; RMSEz ~ 20 cm)

Note – USGS LiDAR base acquisition specification version 13 is for QL3 data

