



VT Clean Water Initiative: FY16 LiDAR Acquisition

1/5/16

Kat Moulton
Secretary Agency of Commerce & Community Development



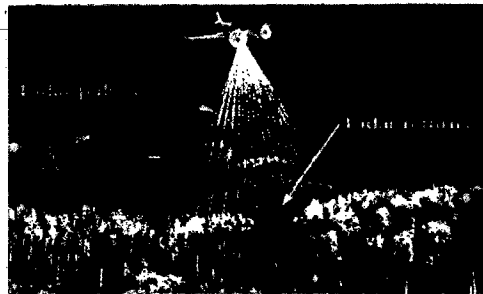
Additional Uses:

See the VT State LiDAR Plan: Attachment A for a full listing of use cases: <http://tinyurl.com/VTLiDARPlan>.

- FEMA – National Flood Insurance Rate Map updates.
- Accurate river corridor layer to better reflect erosion hazards and mitigate riparian erosion.
- Runoff mapping in Town water and sewer districts.
- Directly supports creation of building footprints/parking lots/other impervious surface data to support town level decision making, e.g., density and stormwater/impervious surface planning.
- Town & regional level mapping of impervious surfaces (Act 64 general permits requirement on parcels with greater than 3 acres impervious surface.)
- NRCS agricultural management.
 1. Identification and mapping of ditched crop fields and ditch networks;
 2. Surface water flows off field surfaces into waterways;
 3. More accurate average slope values for agricultural lands;
 4. Identification of gullies to be addressed with conservation practices;
 5. Identification of areas with high erosion and runoff potential for P loading to Lake Champlain;
 6. Landscape visualization support in planning farm conservation.
- Vermont Geological Survey - Landslide hazard mapping.
- Transportation: Project design and survey support, road center line improvements and archeological assessment.
- Solar project siting and permitting.

LIDAR at a Glance

LiDAR is a remote sensing method using light in the form of a pulsed laser to measure ranges (variable distances) to the Earth yielding precise elevation data. The combined utility of LiDAR elevation products supports such a wide array of applications that it can truly be considered a form of critical digital infrastructure.

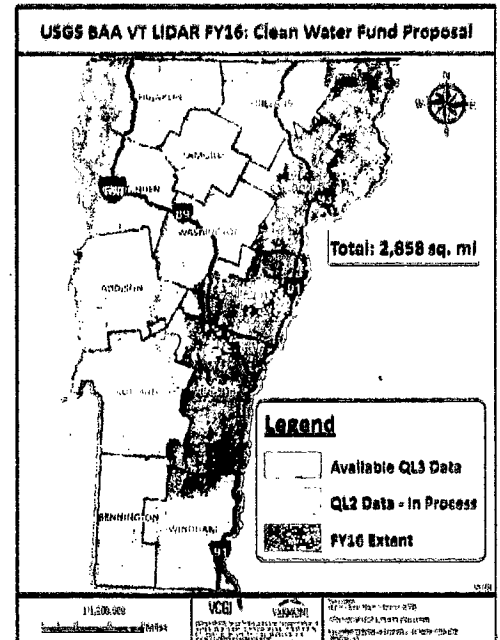


For More Information

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VT LiDAR Initiative web page vcgi.vermont.gov/lidar



Proposed FY16 CWF supported data acquisition extent (in red)