

Geology in the age of technology (using technology to understand our world)

Jon Dowling

A View from Above, 50 Airport Drive, Miramichi, New Brunswick E1N 3A7, Canada <Jon@aviewfromabove.ca>

Unmanned aerial vehicles (UAVs) are becoming a tool or instrument for videography, but more important is the adaptation of instrument payloads for UAVs/drones. A View From Above demonstrates examples in the province of New Brunswick using UAVs for protection monitoring and prevention including erosion, forensics, spills, shoreline maps, and ice monitoring. There are many types of commercial drones and the licensing to help teachers capture and monitor their shoreline maps but need help in acquiring LIDAR equipment and support. Once mounted and tested A View From Above will feature and provide training and workshop support, with analytics, to gain a learning profile and needs for each community. This will include highresolution mapping support and the demonstration of UAV/ drone software tools.

A View From Above can help communities monitor their own resources from energy efficiency to mapping, using lower cost UAV services. With an up-to-date UAV drone fleet, A View From Above can offer the best quality instrument data, mapping, and images technology for their assessments. The UAV/drone industry has become the dominating force in environmental, geoscience, and industrial imaging, allowing a low cost alternative with greater precision and quality. With our unique 2nd person view system the pilot and camera operator can be directed by you to get perfect video and images of your choice. Our commitment to the earth science community has always been a high priority for education.