

Long-Term Ecological Monitoring Application (LTEMA)

The Ministry of Environment, BC Parks, in partnership with Sierra Systems, have sponsored a Capstone project to produce a cross-platform tablet application which assists in the collection and retention of ecological monitoring field data. Camosun College students Blair White, Nick Gulajec, and Rory Drysdale are working closely with Project Sponsor Dr. Tory Stevens of BC Parks using an iterative development approach to refine the final product. Sierra Systems is providing project management and technical expertise to assist the students in their efforts. All project members are looking forward to LTEMA being in use by BC Parks' field officers this summer.

Site surveys that are collected with LTEMA are validated automatically. The tablet's GPS and camera are integrated, reducing equipment needs and simplifying long-term record storage. The export of a completed survey is a few button presses.



From early on **Blair White** has always had an interest in computer technology. After many years of exploring other fields he decided to enroll in the Computer Systems Technology program at Camosun College. Blair is excited to apply his skills to such an innovative industry.



Nick Gulajec previously studied computer science, and enjoys building, repairing, and tinkering. Completing the CST program at Camosun has exposed him to new fields of the information technology industry. After graduation, Nick plans to pursue a career in the vibrant Vancouver Island technology community.



Rory Drysdale began his interest in software development during high school. After a few years of exploring other options he decided to continue his education at Camosun College in the Computer Systems Technology program. Rory looks forward to applying the skills he has learned to a career in the technology sector.

The LTEMA Project Team would like to thank Dr. Tory Stevens and Gary Wong of BC Parks, together with Sachin MacDonald and Greg Turner of Sierra Systems, for providing this opportunity. The team is excited to apply their software engineering and project management skills learned at Camosun to an application for BC Parks. The team looks forward to acquiring new skills in the workforce.