

| Project | Purpose | Location | Species | Scope | Project date | Course | Student name | Supervisor |
|---------------------------------|---|--|-----------------|--|------------------------------|--------|-----------------|--------------|
| 1 Greenwalls | To research the feasibility of green walls at 2 locations on the Trent campus. | Bata library, main wall & entry, Otonabee College. | House plants | To identify survival of certain house plants in two locations at Trent. | Dec 10/12 To Apr 2013 | ERS | Caitlin Perry | Tom Whillans |
| 2 Roundabouts | To examine the plausibility and environmental benefits of putting roundabouts on campus instead of 4-way stops. | Seven locations around Symons Campus (see map) | | To observe traffic flow at 4-way stops. To estimate roundabout size vs. 4-way stops. To look at future roundabout sites based on development plans and measurements. | Nov 1/12 To Nov 30/12 | ERS | Andrew Cottreau | Tom Whillans |
| 3 Gabian baskets | To examine the condition of gabian baskets and determine alternative management techniques for those areas. | Gabian baskets along both sides of Otonabee River. | Plants, Soil | Basket measurement, visual assessment of gabian basket conditions, plant identification (visually) and soil horizon measurements. | Oct 29/12 To Dec 5/12 | ERS | Ashley Istead | Tom Whillans |
| 4 Lady Eaton Drumlin | To survey all of the trails on the drumlin and observe heavy erosion locations. | Lady Eaton Drumlin | | To identify all the major points of erosion along the LEC drumlin trails and to suggest possible solutions to trail erosion. | Oct 29/12 To Nov 30/12 | ERS | Matthew Willson | Tom Whillans |

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| 5 Spread of Buckthorn | To understand the correlation between white tailed deer behaviour and buckthorn. | East Bank Nature Areas | Deer, Buckthorn | By installing trail cameras (motion sensitive), monitor the white tailed deer to observe their impact on buckthorn. | Oct 29/12 To Apr 30/13 | ERS | Jaime Noble, Katy Potter | Tom Whillans |
| 6 Shoreline Evaluation | To evaluate the state of shoreline on Trent's campus and assess Best Management Practices. | Along riverbank/ shoreline of campus. | | Perform an inventory and evaluation (by observation on foot and in canoe) of the shoreline along campus. Analysis of the current state of buffer strips and of the best management practices. | Nov 1/12 To Apr 30/13 | ERS | Amy Tenbult | Tom Whillans |
| 7 Otonabee River Problematic Succession | To identify the projection of vegetation types on campus and survey change present in the eco-system over time. | East Bank Nature areas | Buckthorn is of particular interest. | Vegetation sampling by on-site species identification, along the east side of the Otonabee river. (see map) | Oct 29/12 To Dec 4/12 | ERS | Angela Hills, Chris Reeves | Tom Whillans |
| 8 Educational Field Guide: Wild Edibles on Trent Grounds | To assemble an educational field guide on wild edibles on Trent University grounds. | Lady Eaton Drumlin & the land around the Kawartha Environmental Education Centre. | 12 species of edible wild plants. | Surveying the areas and choosing samples of plants to assemble a resource for enviro education which promotes users to self-regulate. | Nov 1/12 To Apr 25/13 | ERS | Stacie Maclean | Tom Whillans |

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| 9 Biodiversity Inventory of Trent Campus Nature Areas | To understand the effects of future infrastructural development at Trent on biodiversity. | Nature Areas | To quantify the biodiversity in Trent Nature Areas, not thru biophysical manipulation but by the students' presence. | Nov 1/12 To Apr 20/13 | ERS | Brook Schryer, Evan MacDonald | Tom Whillans | |
| 10 Field Study- Examining European Buckthorn on Trent's Campus | An undergraduate first year assignment to educate students about the scientific method, field data collection methods, data analysis, using MS Excel and writing a scientific report. | Lady Eaton Drumlin | European Buckthorn | Students participate in an hour of field work, collect information about the density of buckthorn, the diameter of buckthorn stems and then analyze their findings. Each student must produce a report and answer specific questions about Buckthorn abundance and implications of policy decisions for nature areas management. | Oct 29/12 To Nov 1/12 | ERS | Rob Loney Stephen Hill | Rob Loney |