



Environment Corps

This document is from the library of materials assembled for the [E-Corps Online Handbook](#), a section of the [Environment Corps](#) website intended to assist faculty interested in adapting the program model to their own areas of interest and expertise.

Stormwater Corps Final Project: Rapid Stormwater Assessment (Spring 2022)

FINAL PROJECT ASSIGNMENT

NRE 3150 | SPRING 2022

DUE: Friday May 6, 4:00 pm

(Presentations will be during the last week of classes)

Your task is to create a mini-rapid assessment report, following the format of the example posted on HuskyCT. **Your projects will need to be located in the Roberts Brook watershed above Mirror Lake (see over).**

To create the document, you will need to follow the procedures outlined in class:

1. Identify your sites using the criteria presented in class.
2. Perform screening using Google Maps and street view (if available), and AGOL.
3. Visit the sites to do field verification.
4. Identify at least 3 potential IC disconnections, and recommend a practice for each. **Your total IC disconnection needs to be at least 5,000 square feet.**
5. Calculate the drainage area for each using AGOL or Google Maps, and then calculate the size of the practice using the sizing criteria presented in class.
6. Calculate the annual stormwater volume reductions and pollutant export reductions using the formulae presented in class.
7. Compile the information into a cohesive report, following the example. You will not need to include a comprehensive introduction like in the example, but please include one page/slide with a brief description of practices (photos are helpful too). **Also, we are asking you to include information on installation notes/concerns and maintenance recommendations.** This information can be pulled from presentations in this class, and observations you have made in the field or online. This information should be included in the brief narrative for each site.
8. At the end of the report, include a summary table of the disconnection data **and cost estimates.** We will give you an example of this.

This report will constitute 20% of your final grade, and will be graded based on the following criteria:

- Consistency with format of example rapid assessment report and our guidance (60%)
- Accuracy of stormwater volume and pollutant loading calculations (20%)
- Creativity in choice of disconnection options (10%)
- Information presented in a clear, cohesive manner (10%)

