Geology 613: EARTH SCIENCES IN THE NYC URBAN ENVIRONMENT

Prospect Park Field Guide

Value: 10%

Due Date: 11:59PM XXXXXXXXX

In this field trip-based exercise you will work independently to create a virtual field trip to Prospect Park. The goal of this assignment is to create a computer-based document (Powerpoint or HTML file) that would allow a colleague learn about the geological history of Prospect Park, and how the natural landscape was modified to create the park.

For this report you will have to include the following:

- Provide a topographic map of Prospect Park to which you have added the following:
  - A line that defines the southernmost advance of the continental ice sheet during the last glaciation across Prospect park
  - Location of key topographic and geological features, with labels/links that correspond to photographs and descriptions
- For each of the three distinct geomorphological regions of the park (the area that was overlain by glacial ice, the front of the terminal moraine, the outwash plane) you will include:
  1) A summary description of the shape and character of the land, and any geological features that are present
  2) Photos that are representative of the general character of the land, and the specific geological features that are described in your narrative. Photos must be referenced to points on your map.
  3) An interpretation of how the land was shaped by natural processes
  4) An account of how the landscape was altered when the park was constructed

Learning Objectives

Students will be able to:

- Describe landscapes
- Interpret geomorphological features
- Deduce how natural landscapes have been altered by human use
- Cite resources accurately and completely
- Prepare a educational document in a multimedia format (Powerpoint or HTML files)

Grading Rubric for the Prospect Park Guide

Aspect of the Report	**Grade Point**				%	Score
	4	3	2	0		
Completeness and accuracy of location and route map, including the outlining of distinct geomorphological areas, and the delineation of the southernmost position of glacier during the last ice age. Source of map must be cited.					25	
Completeness and accuracy of landscape descriptions					20	
Quality of supporting illustrations and photos, and their appropriate integration into the text. Citations are provided for all non-original images. (Lack of citations will result in a 0.)					20	
Quality of the interpretation of landscape features in terms of the processes that produced them, both natural and anthropogenic. All research references are cited. (Lack of citations will result in a 0.)					25	
Quality of writing					10	
TOTAL out of 4 =						