SOIL ANALYSIS LAB REPORT

Now that you have completed your soil quality assessment lab, you need to write up a summary of your soil sample. Your report should be typed and split up into these sections. Please use the sub-headings to visually separate your report.

Background Information (5 points)

A detailed description of the natural resource we call soil. Address these main questions:

- What is soil?
- What are the functions of soil?
- What is soil quality and how can it be measured?

General Observations (4 points)

Provide a complete description of the soil sample **collection site**.

Provide detailed observations of your actual **soil sample**, including:

- General observations
- Biotic components
- Abiotic components

Results & Discussion (28 points)

For each test below, **address each requirement listed** and include **data tables** to organize the results. Use the soil packets I have given you (along with any other outside sources) to completely explain the results of your soil testing. The more detail the better.

Soil texture

- Why is this test important?
- State the test results.
- What does this test result tell us about our soil?
- How does soil texture relate to other soil properties?

Soil moisture

- Why is this test important?
- State the test results.
- What does this test result tell us about our soil?
- Discuss possible ways to improve soil moisture.

Soil porosity

- Why is this test important?
- State the test results.
- What does this test result tell us about our soil?
- Compare the soil porosity/permeability of clay, silt, and sand.

Soil fertility

- Why is this test important?
- State the test results.
- What does this test result tell us about our soil?
- Describe some methods to increase soil fertility.

Bibliography (3 points)

Cite the sources you used (including the ones I gave you) for writing the Background Information and Discussion of the Results sections.