Course LEARNING Objectives as Per PBSC Syllabus

-Describe a sample site. -Conduct soil sampling.
-Identify sampling restraints or limitations. -Take field notes.
-Learn proper documentation that would make data reliable, traceable, and defensible.

Environmental Sampling Techniques (EVS2193C)
FINAL PROJECT
Dr. Thornton Fall 2021

This project is designed for you to use all of the information you have learned to develop and analyze a field studies project. Using images taken from field studies when holes were dug at JERFSA Pond (please share your images with each other)

Follow procedure/formatting in Laboratory Research Format, & Research Rubric

DO YOUR BEST

1. Determine the layers/horizons https://drthorntonscourses.webs.com/pbsc-est-unit-two-soil. (#1 under Activities)

2. Determine the minerals in the layers (by color) (#2 Activities)

3. Go to Web Soil Survey and Screen shot your areas then determine which soil you have based on depth, thickness, and types of horizons as well as thickness of horizons.

- two soils from school & one from home
- repeat the procedure we did together in class

PROJECT SHOULD LOOK LIKE THIS (same format as your course final project):

I. INTRO:

- Description of soil layers (one paragraph) and color (one paragraph).
- What do they mean? What can they tell you?
- CITE APA
- Images can be used along with descriptions

II. METHODS

- SITE DESCRIPTION
    - o Both sites, school and home
    - o Use examples of site descriptions sent on Remind
- Map with locations delineated (just as we did for the pond project)
- How did you determine your soils? Use jargon, NOT personal pronouns
- BE SPECIFIC. Remember this has to be repeatable.

IV. RESULTS

- Images of your soils & Images from Web Soil Survey
    - o Remember to LABEL, NUMBER, and add a BREIF DESCRIPTION with every image, graph, table etc. (refer to Laboratory Research Format for proper format)

V. DISCUSSION

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-Describe a sample site. -Conduct soil sampling.

-Identify sampling restraints or limitations. -Take field notes.

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- Compare and contrast your images with info in your introduction.
- Inform the reader by referring to info in the intro/lit review and the images in your results (SEE EXAMPLES IN LABORATORY RESEARCH FORMAT (LRF) AND HERE: https://sites.google.com/palmbeachschools.org/drthorntonjerfsa/home

VI. CONCLUSION

- Summarize, note limitations, give recommendations for further research
- See (Laboratory Research Format)

VII. BIBLIOGRAPHY

- APA