**Lab Report Rubric (30 pts total) NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Landscape Pedology, ENSC 454**

**Fall 2012**

LAB ATTENDANCE AND FIELD NOTES \_\_\_\_\_\_\_/3

INTRODUCTION \_\_\_\_\_\_\_/3

General statement about larger context of lab (one sentence)

Specific statement of lab objective – main point of looking at this sequence of soils (one sentence)

METHODS \_\_\_\_\_\_\_/4

Site description – landform context (refer to map with locations marked & site sketch)

MAP/MAT (with reference)

Vegetation – summarize as part of site description; reflecting moisture conditions, etc.

Geological map unit (refer to map)

Soil map unit(s) (refer to WSS map) and specify series or complex is mapped

Summarize soil character expected based on taxonomy of mapped series

Summarize specifics from official series description or specific soil survey report

Main method is soil description (cite NRCS field guide)

RESULTS \_\_\_\_\_\_\_/5

(a) State main trends observed (refer to description sheets), (1) with soil depth, (2) across soils. For example and if relevant, describe trends in texture, structure, color, pH, clay accumulation/clay films, carbonate accumulation, redox features.

(b) State taxonomic classifications to the subgroup level,in the context of observed soil properties and trends. These should be based on your observations, not reiterated from Web Soil Survey!

DISCUSSION \_\_\_\_\_\_\_/5

Interpret your observations in light of the objective of the exercise as stated in the introduction. Consider things like parent material age vs. likely soil age or residence time, relative age relationships, parent material issues like texture & mineralogy, hydrologic context, plant community role in soil development, land management effects on observed soil properties, interpreted deposition of loess or colluvium.

CONCLUSIONS \_\_\_\_\_\_\_/3

Sentence distilling results into a specific take-home conclusion. What did you learn?

REFERENCES \_\_\_\_\_\_\_/1

Provide complete citations to all references, including NRCS field guide, MBMG maps/reports, Munsell color book, Web soil survey, soils text(s)

ATTACHMENTS (\*text must refer to all attachments) \_\_\_\_\_\_\_/4

Maps illustrating location, soil survey map units and geologic map units

Soil photos

Official Series Descriptions

Completed soil description sheets – class and individual

Illustrative cartoon(s)

OTHER \_\_\_\_\_\_\_/2

Length (two pages double spaced)

Tone (professional, active tense, efficient and direct)

Writing quality

Creative insight

**TOTAL \_\_\_\_\_\_\_/30**