



## A NYAC Workshop

Friday August 16, 2019

Tram Site, Geneseo, NY,  
14454

Presented By:

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Matapeake Soil & Environmental  
Consultants

### Tentative Schedule:

8:15 am: Sign in & Welcome

8:30: Morning Session:

- \*Soil as a natural body reflecting pedogenesis.

- \*Pedogenesis and the five soil forming factors with emphasis on parent materials and time.

- \*Soil and sediment physical and mineralogical properties: particle size, mineralogy, texture, structure, color.

- \*Redoximorphic features and environmental interpretation.

- \*Landscapes and landform/ sediment/ soil relationships.

- \*Nomenclature used for soil description.

- \*Soil Taxonomy introduction.

- \*USDA NRCS soil mapping, Web Soil Survey, and SoilWeb.

12:15: Lunch (provided)

1:15 pm: Field Session

- \*Description of soil profile(s), horizonation, color, texture, structure, redox feature, boundaries.

- \*Identification of the landform and parent sediments.

- \*Interpretation of depositional environment and pedogenesis with implications for archaeology.

4:00 pm: Conclusion

Soils, Sediments and Landscapes play vital roles in understanding and interpreting archaeological contexts. In the early phases of archaeological investigations sediments and soils offer valuable insight into archeological potential - whether a landform is too young or too active for cultural materials; old enough that all cultural materials are restricted to the surface; or has alternated between stability and deposition that has buried archaeological sites. In later phases investigations of sediments and soils can be an aid in reconstructing past landscapes and environments that would have influenced human behavior.

This unique one-day workshop will review the processes of landscape formation, sediment deposition, and pedogenesis, the relationships between the three, and the implications for archaeology. The morning classroom session will include brief discussions of soil morphological properties and interpretation, soil nomenclature, soil taxonomy, and digital soil mapping. The afternoon field portion of the course will be used for the practical application of concepts discussed in the morning. Soils, sediments, and landforms will be described at an active archeological site used to interpret the age and origin of the setting and its archaeological potential.

### Workshop Pricing

(Includes the workshop, educational materials and lunch)

NYAC Members                      \$225.00

Non- Members                      \$250.00

Register Early- Space is Limited!

Complete registration form and submit with payment to:

Ann E. W. Morton, 1215 Macedon Center Road

Macedon, New York, 14502

Registrants must be members of NYSAA