

North Carolina Sandhills Conservation Partnership

Geology field trip

Led by local retired geologist Bob Ganis

09:45am-12:00pm, Wednesday, March 15, 2023

Meeting in-person at [Weymouth Woods](#)

Please read the “Geology & Fossils of Weymouth Woods & the Sandhills” brochure before arriving!

09:45 Meet at the Weymouth Woods auditorium for welcome & introduction

10:00 Presentation on Sandhills geologic history and composition

- Precambrian-Paleozoic Carolina Terrane bedrock
- Triassic rift strata
- Cretaceous Middendorf Formation
- Eocene strata
- Pleistocene-Holocene Pinehurst Formation (sand dunes)

10:45 Load up vehicles and drive to Middendorf formation on N Bethesda Road to view:

- Paleosols
- Fluvial sedimentology (i.e. crossbedding)
- Development of rock outcroppings through silica cementation

11:15 Drive back to WeWo visitor center to walk Pine Barrens Trail and view:

- Middendorf Formation
- Pinehurst Formation dune sands
- Seeps at formation contacts

11:55 Closing remarks. Break for lunch before SCP meeting at 1:00pm