

Inventory & Monitoring Program  
Northeast Temperate Network  
Eastern Rivers and Mountains Network



**Long-term Soil Monitoring**  
as part of the  
**National Park Service's**  
**Vital Signs Monitoring Program**



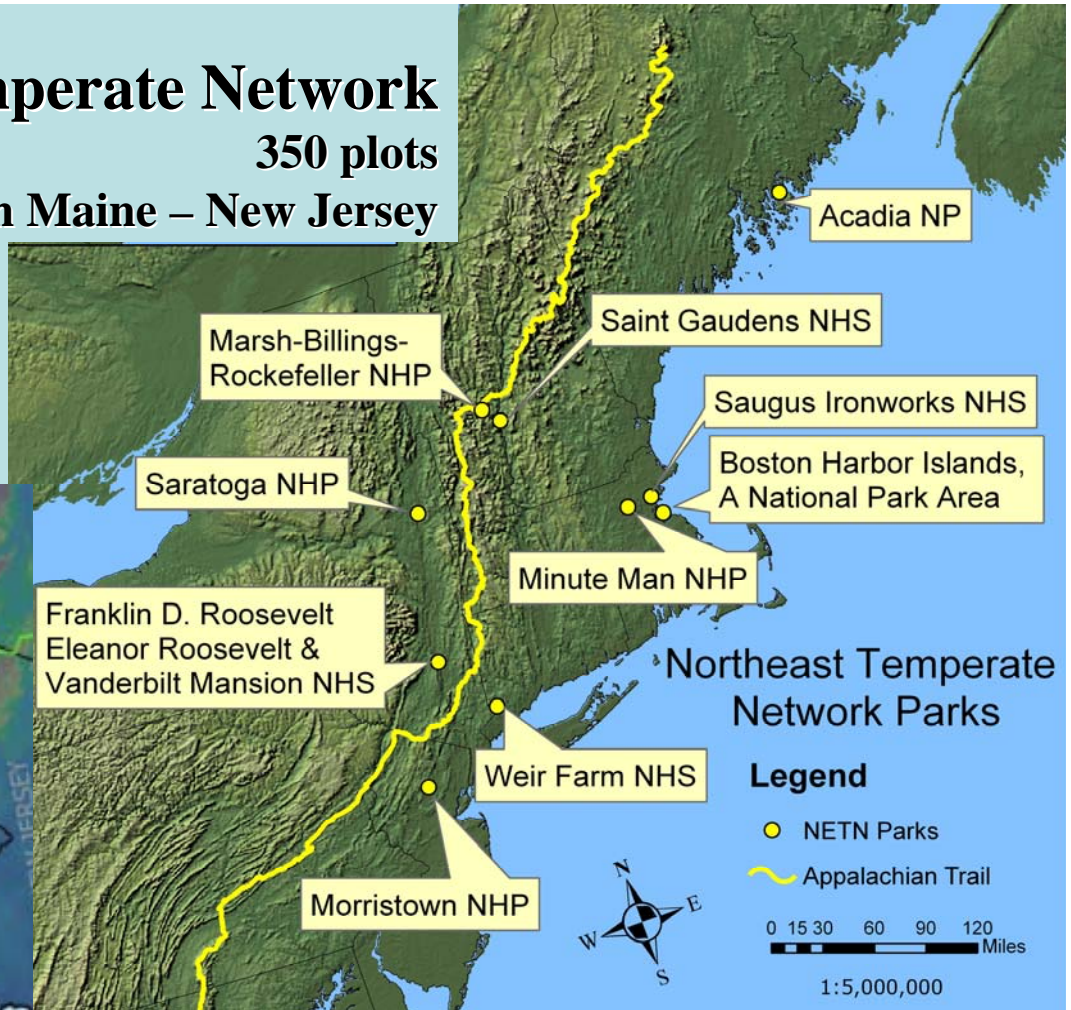
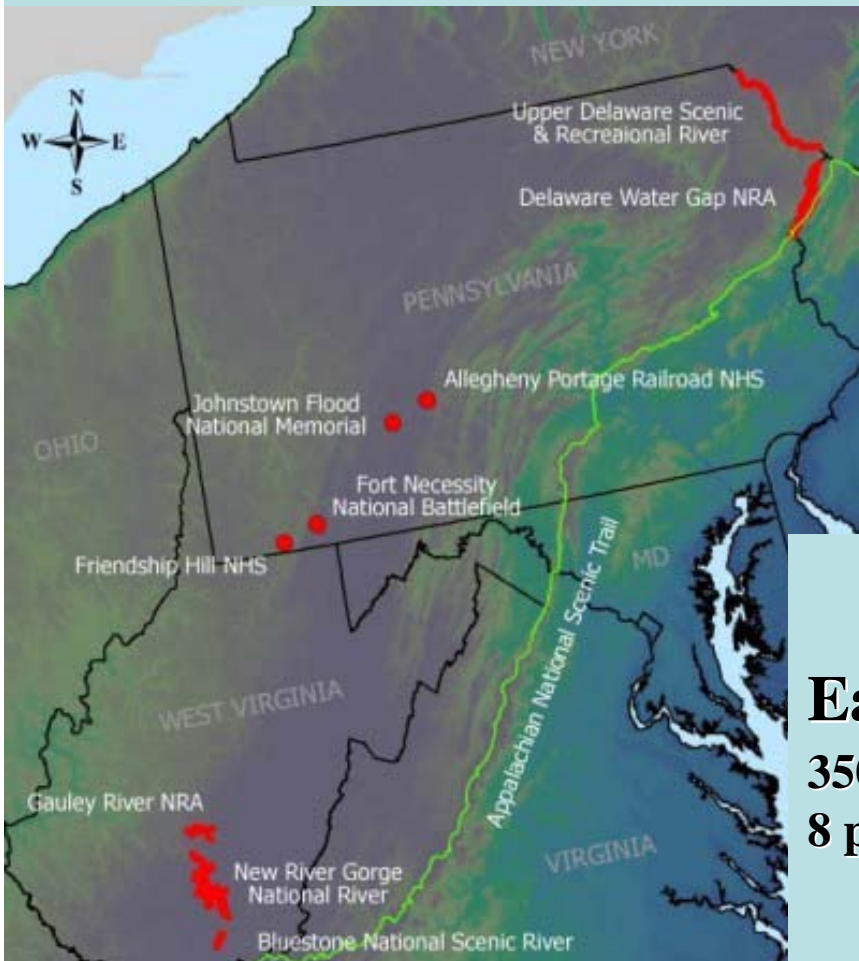
[stephanie\\_perles@nps.gov](mailto:stephanie_perles@nps.gov)  
[matt\\_marshall@nps.gov](mailto:matt_marshall@nps.gov)  
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# Northeast Temperate Network

350 plots

10 park units from Maine – New Jersey



# Eastern Rivers and Mountains Network

350 plots

8 parks from New Jersey – West Virginia

# Northeast Temperate Network Eastern Rivers and Mountains Network Soil Monitoring



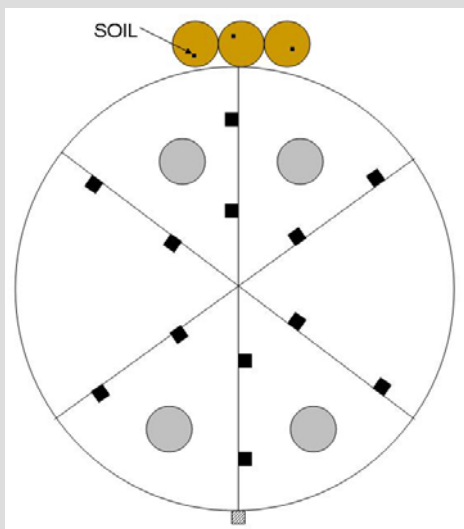
**1 – 3 soil samples collected adjacent to each vegetation plot**

**Soil samples separated by horizon (O, A)**

**Standard lab analysis at University of Maine using  $\text{NH}_4\text{Cl}$**

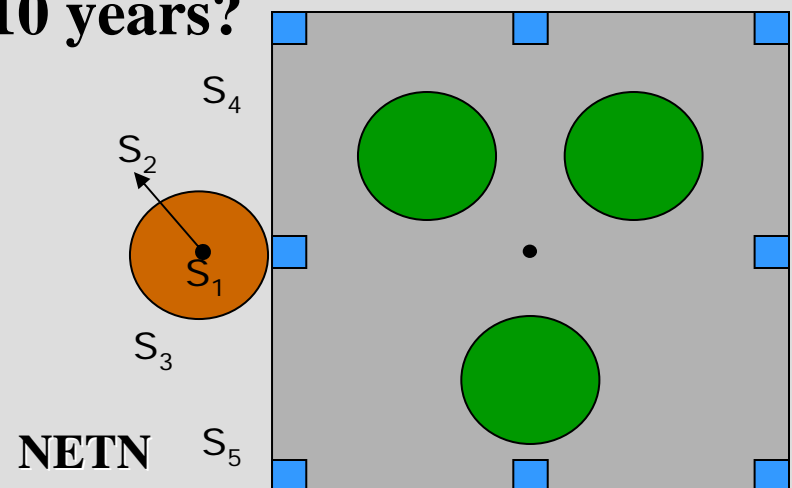
**Archive remaining samples**

**Vegetation plots resampled every 5 years**



**ERMN**

**Soil collected every 10 years?**



**NETN**

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**What we bring to the NE Soil Monitoring Network?**

**A large regional dataset**

**Potential collaborators**

**What we are looking for from the NE Soil Monitoring Network?**

**Guidance on:**

**Field protocols and timeframes for resampling**

**Lab analysis extractants and procedures**

**Archival procedures for samples**

**Data interpretation**

**THRESHOLDS / INDICATORS OF SOIL “HEALTH”**