

What is a Healthy Sustainable Soil in New Jersey?

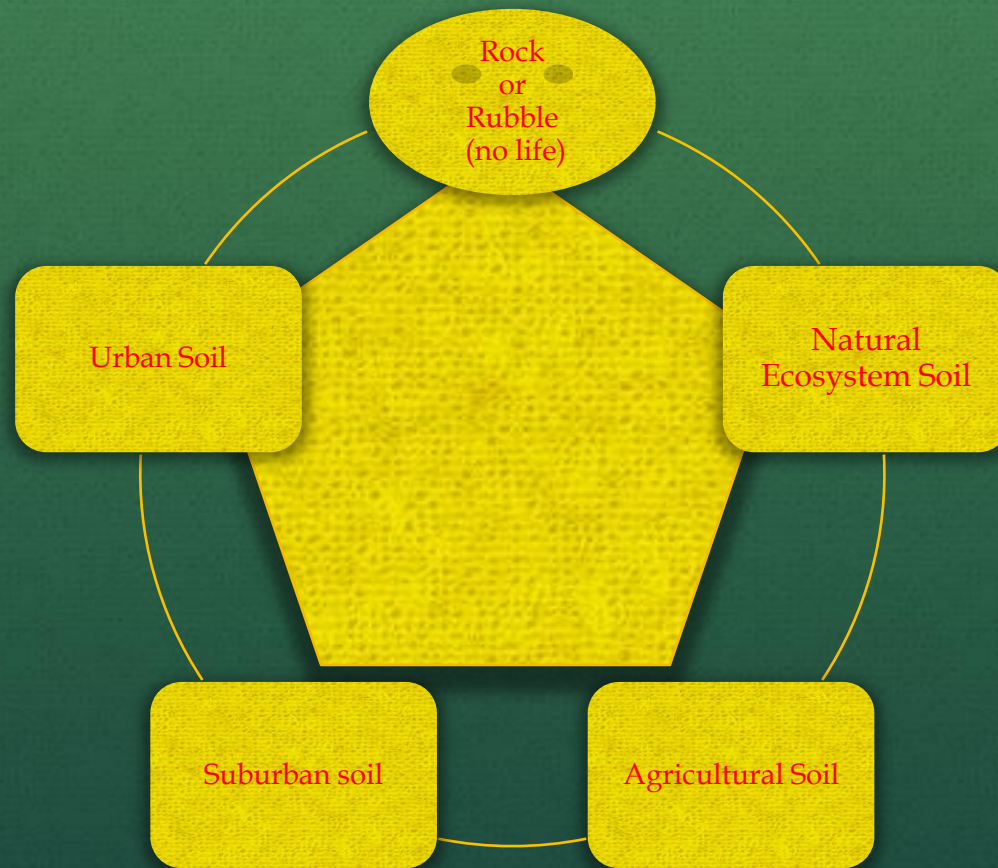


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Cycle of Soils and the Human Environment

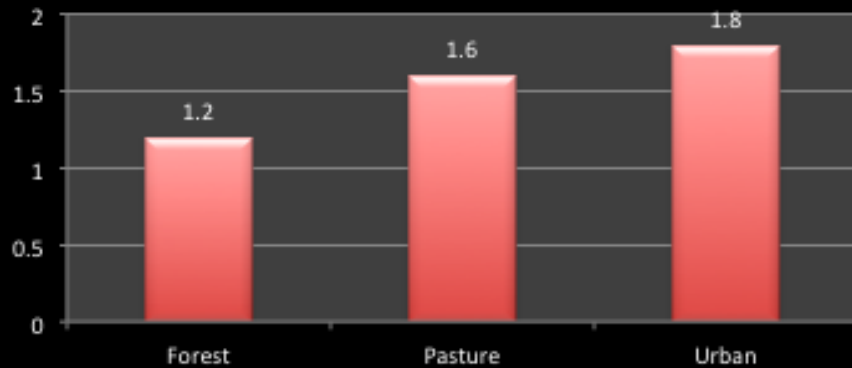


Measurable Characteristics of Soil Health

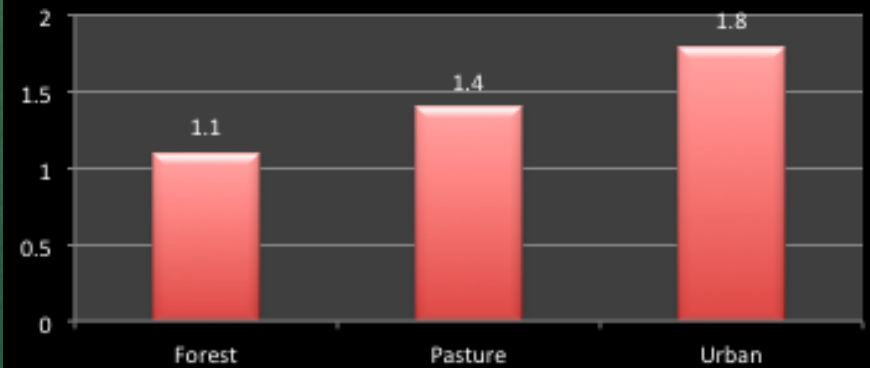
| Category | Characteristics |
|-------------------|--|
| Natural Soil | f (climate,time,relief,biota,parent material) |
| Agricultural Soil | deforested, eroded |
| Suburban Soil | partially paved, eroded, imported fill, compacted, leaf harvesting |
| Urban Soil | mostly paved, polluted, fill(soil, non-soil), small backyards |

Human Induced Changes to Soil Bulk Density

**Bulk Density
Downer Soil**

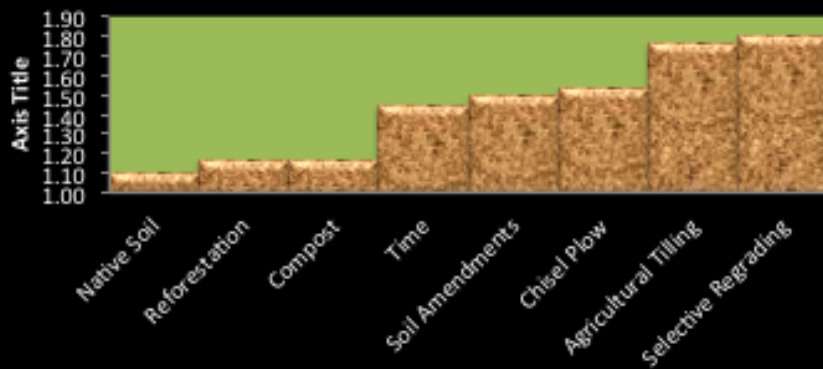


**Bulk Density
Freehold Soil**

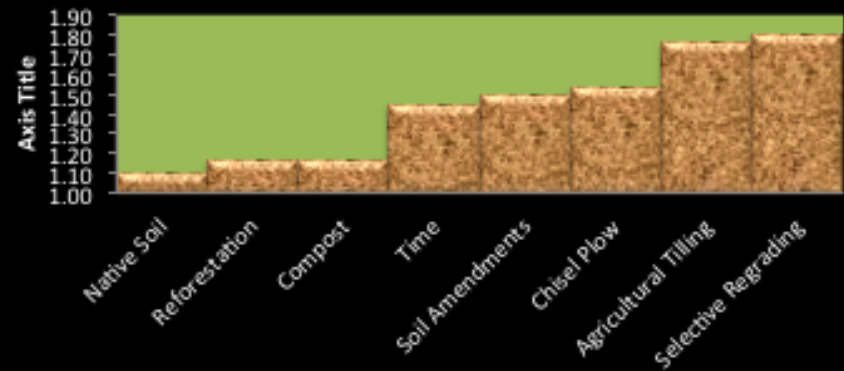


Reversing Human Induced Compaction

**Downer
After Soil Health Efforts**



**Freehold
After Soil Health Efforts**



- 1 part compost to 2 parts soil; or
- Establish a [Compost Application Calculator](#)

What is the future for soil in New Jersey?



What do you believe will be our sustainable endpoint?