

# Compost Use for Improved Soil

## Slope Stabilization, Erosion Control and Storm Water Management

Application to 1:1 Rock Slope  
2" compost mulch with native seed mix  
Austin, TX - August



8 Months Later  
Irrigation installed, never used



Sheet flow protection

## What is Compost?

An organic matter resource that has the unique ability to improve the chemical, physical, and biological characteristics of soils.



## Compost and Wood Chip Applications:

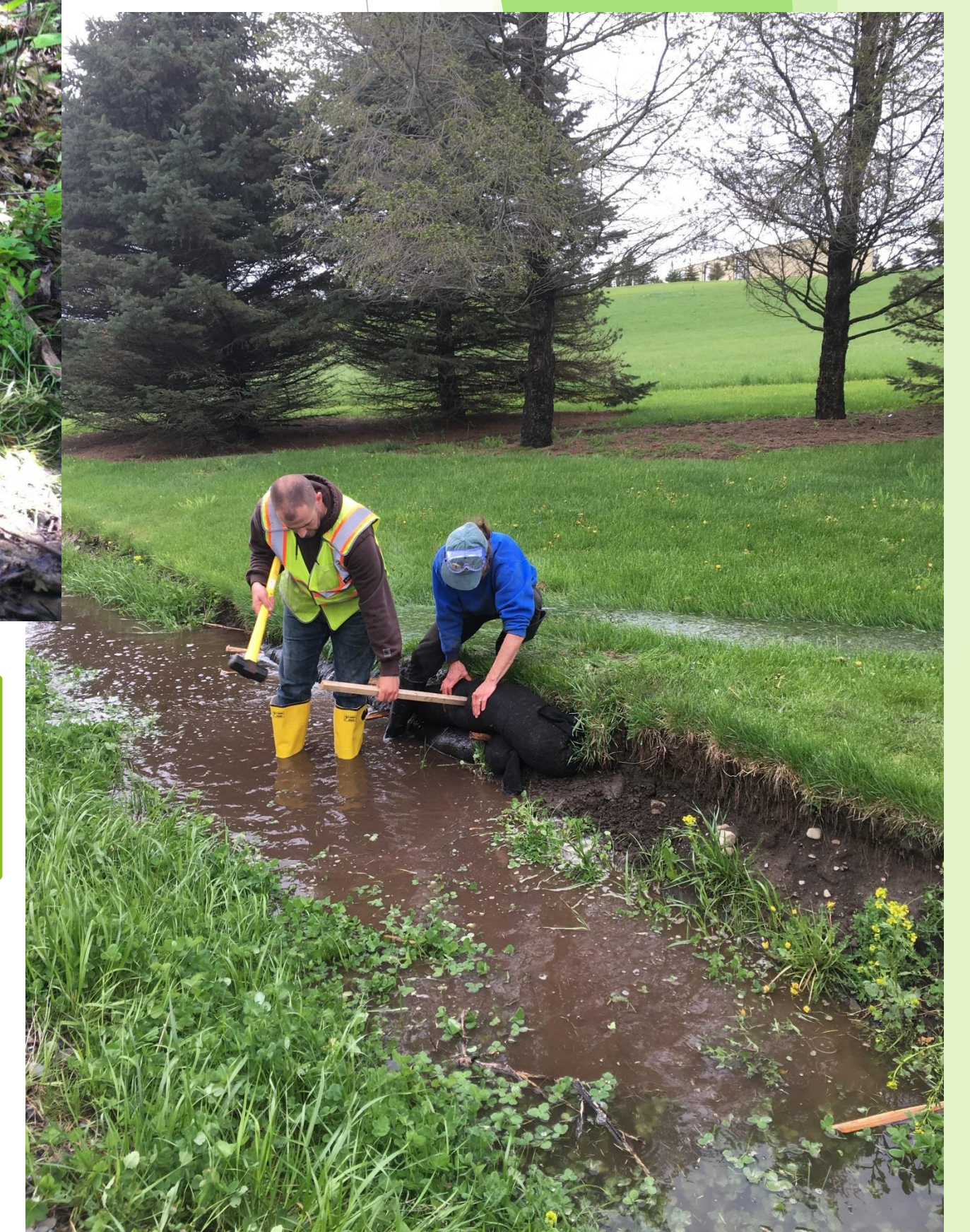
- Preserve topsoil and prevent erosion
- Purify soil and water by managing nutrients, improving salinity, filtering storm water runoff, binding pollutants in soils and suppressing plant pathogens
- Restore soil and water quality by revitalizing wetlands and invigorating depleted lands
- Remediate soil resources by managing problem organics in contaminated soils.



Organic matter in "socks" along waterways prevents erosion of banks and keeps contaminants out of surface water.



**Storm water** is created when the soil's ability to absorb and retain rainfall is exceeded.



Sock should be filled with wood chips or coarse compost for best filtration.



Compost application Oct 2016  
Bridge damage due to heavy rains and impermeable soil



May 2017  
Sock and vegetation keep soil and sediment in place



Find your compost here: <http://compost.css.cornell.edu/maps.html>