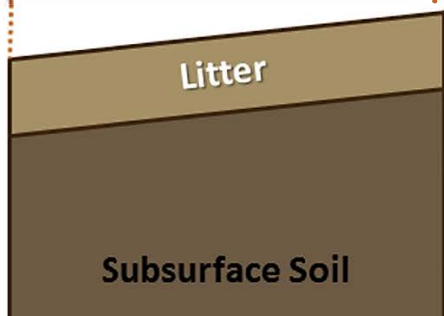
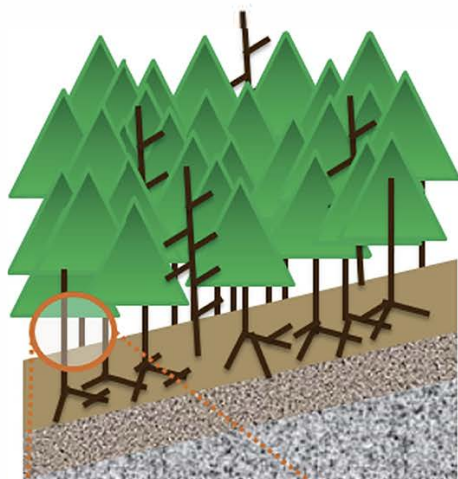


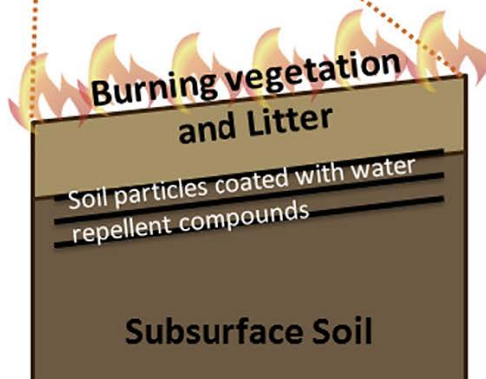
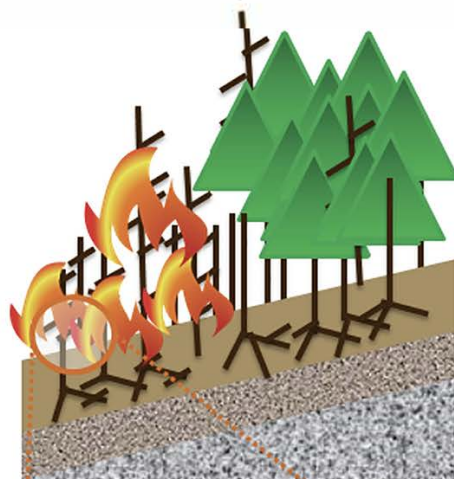


Wildfire Burn Scars are a Flood Risk

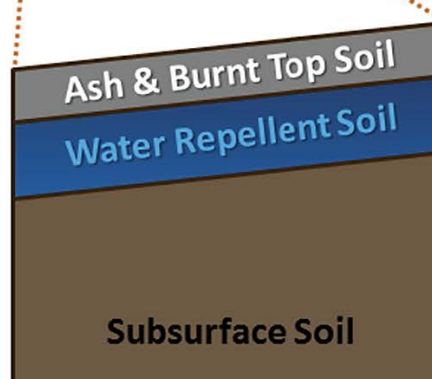
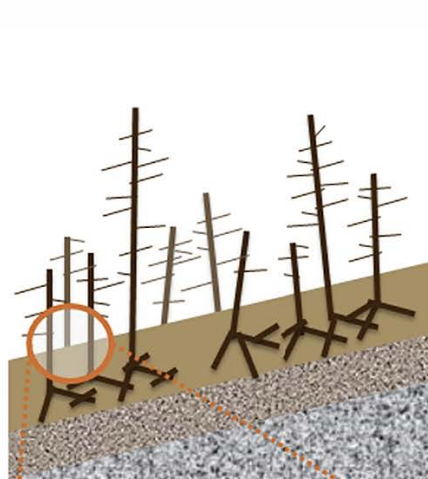
Before Fire



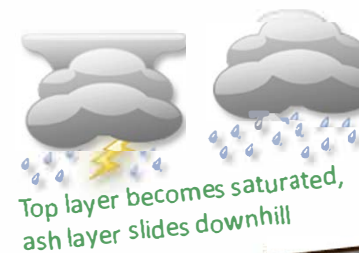
During Fire



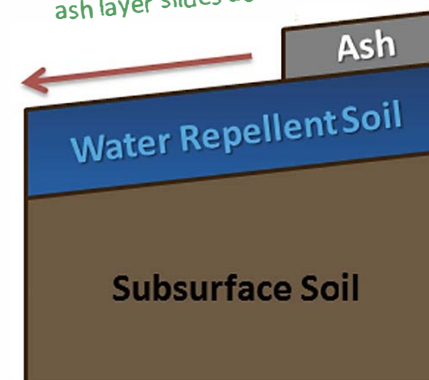
After Fire



During Heavy Rain



Top layer becomes saturated, ash layer slides downhill



Water cannot penetrate water repellent soil layer, so it runs off like pavement which causes dangerous:

Flash Flooding
Mud & Debris Flows
Mudslides



Litter: organic material such as needles, leaves, grass, brush, bark.

Water Repellent Soils: formed when organic material such as trees, scrubs, plants and litter burn at high intensity, water repellent compounds are vaporized, and condense on cooler soil layers below, which prevents soil from absorbing water.