Mortality leads to LAI decrease

More open canopy

Canopy interception decrease

Ground snow increase

Water yield increase

Earlier and larger peak snowmelt

Transpiration decrease

Ground radiation increase

Canopy evaporation decrease

Summer ET decrease

Ground snow increase

Understory growth increase

Soil evaporation increase

Reduced competition with overstory

Understory transpiration increase

Ground snow sublimation increase

Dead foliage and snag fall

More litter on the ground

More water storage and evaporation in litter

Water yield decrease