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## LIST OF SYMBOLS

<b>Symbols</b>	<b>Description</b>
$\sigma_{cm}$	Rock Mass Compressive Strength
$\sigma_{tm}$	Rock Mass Tensile Strength
$\sigma_c$	Intact Rock Compressive Strength
$\sigma_t$	Intact Rock Tensile Strength
$E_m$	Rock Mass Modulus
$E$	Intact Rock Modulus
$K$	Bulk Modulus
$G$	Shear Modulus
$E$	Young's Modulus
$\nu$	Poisson's Ratio
$C_{cm}$	Cohesive Strength of Rock Mass
$\phi$	Friction Angle
$f_s$	Mohr-Coulomb Shear Yield Function
$f_t$	Tension Yield Function
$\sigma_1$	Major Principal Stress
$\sigma_2$	Minor Principal Stress
$F_n$	Normal Force
$F_s$	Shear Force
$u_n$	Normal Displacement
$u_s$	Shear Displacement
$L$	Effective Contact Length
$\sigma_v$	Vertical Stress
$\gamma$	Unit Weight of Rock
$K$	Ratio of Average Horizontal Stress to Vertical Stress
$\beta$	Thermal Expansion Coefficient of Rock
$G'$	Geothermic Gradient
$H$	Depth from the Surface
$E$	Young's Modulus of Rock
$K_w$	Bulk Modulus of the Water-Oil Mixture