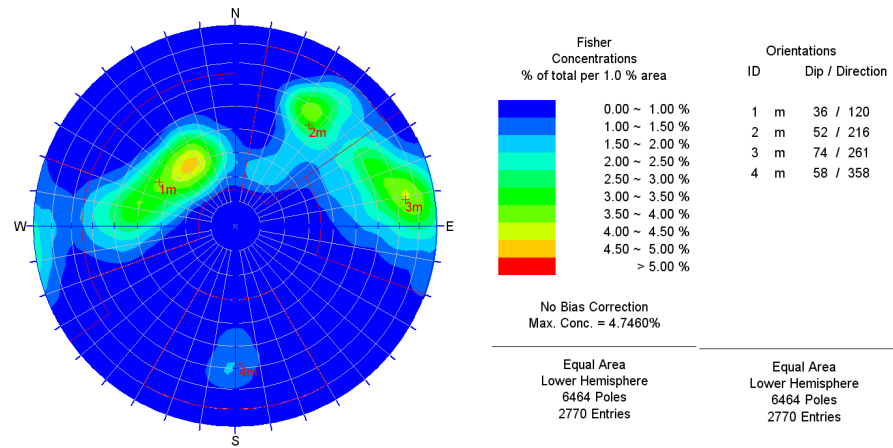


WCD Joint Orientations



WCD Roof Wedge Summary

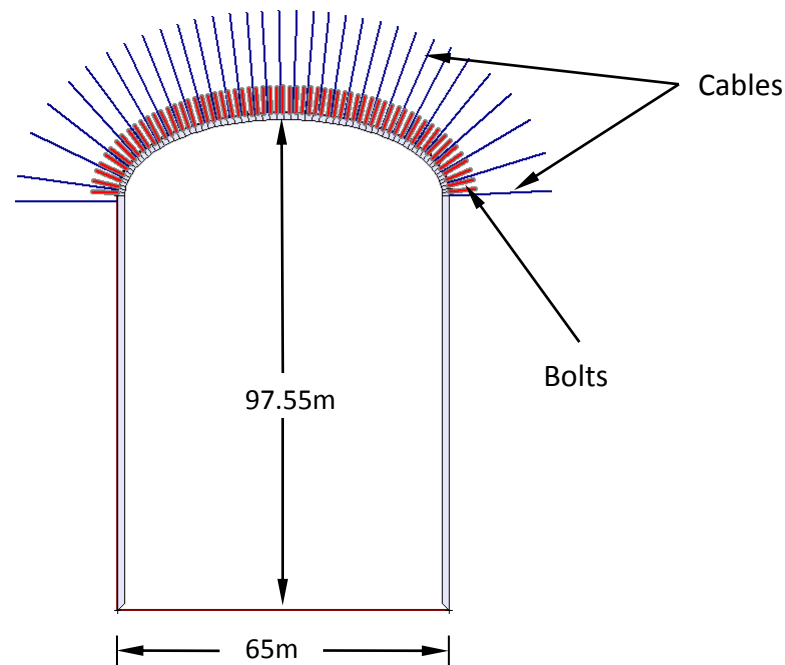
MAXIMUM WEDGE

$c = 3.6 \text{ MPa}$; $\phi = 42^\circ$ and $T_o = 0.4 \text{ MPa}$ on discontinuities

SCALED WEDGE

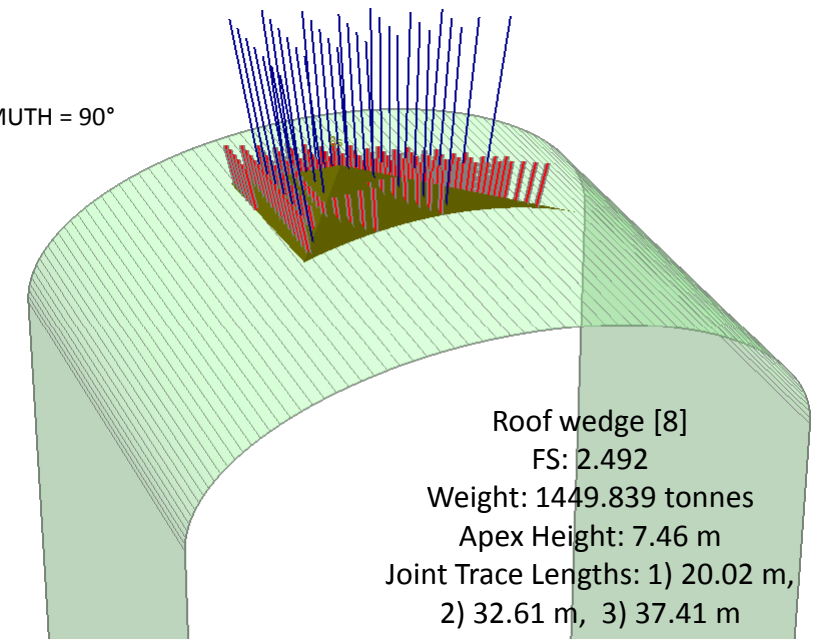
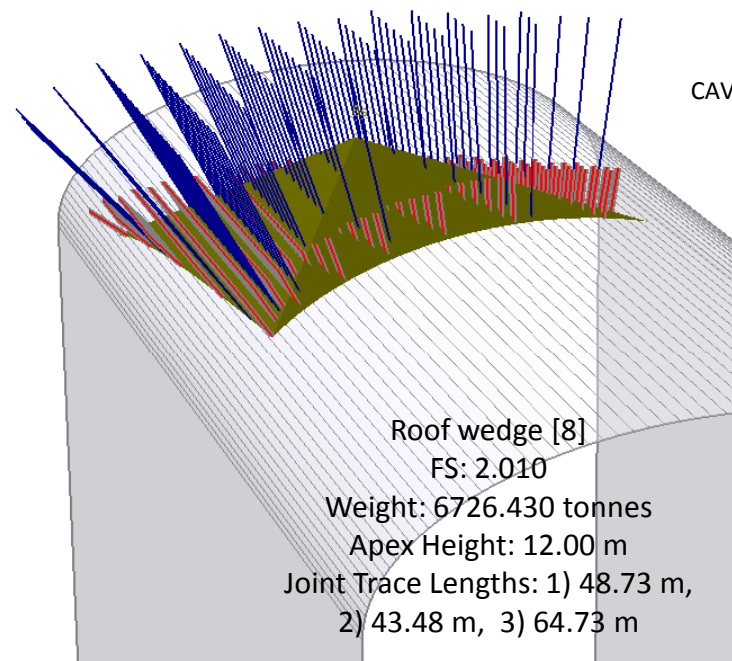
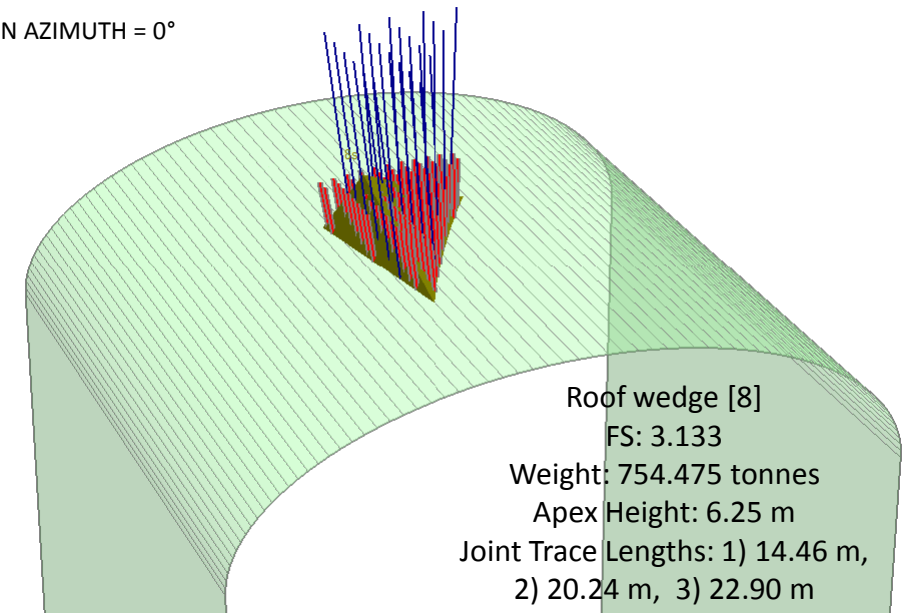
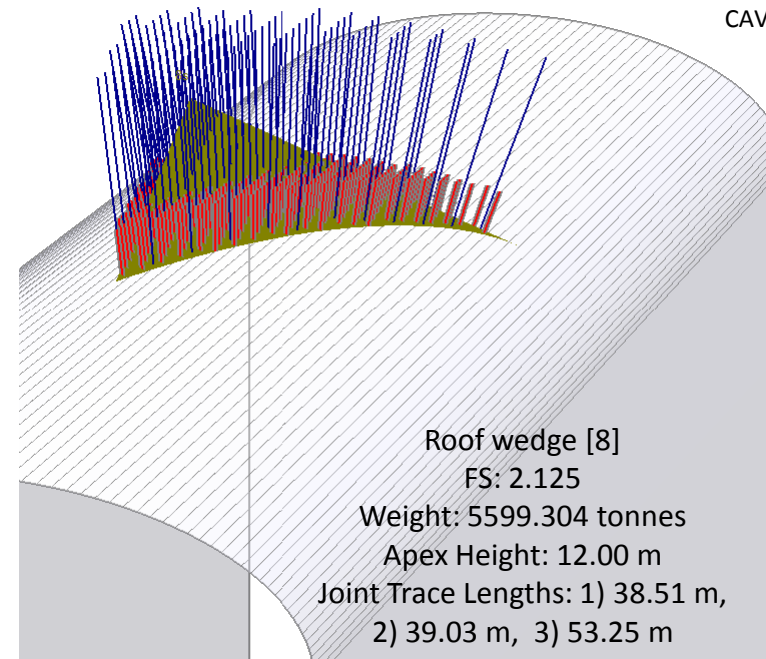
$c = 0.0$; $\phi = 42^\circ$ and $T_o = 0.0$ on discontinuities

WCD Cross Section and Support System

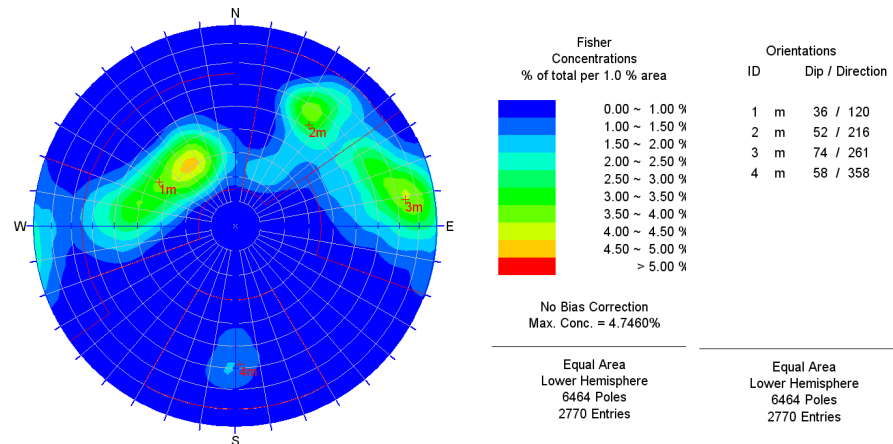


WCD Support System Properties

Support Type	Length (m)	Spacing (m)	Tensile Strength (tonnes)	Bond Strength (tonnes/m)
Bolts (red)	5	1.25	16	10
Cables (blue)	15	2.5	50	35



WCD Joint Orientations

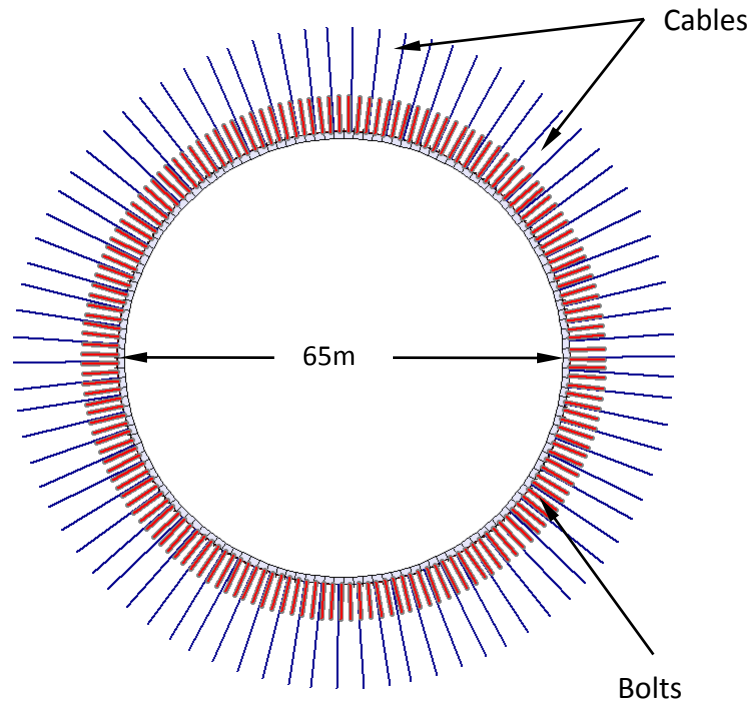


WCD Wall Wedge Summary

MAXIMUM WEDGE
 $c = 3.6 \text{ MPa}$; $\phi = 42^\circ$ and $T_o = 0.4 \text{ MPa}$ on discontinuities

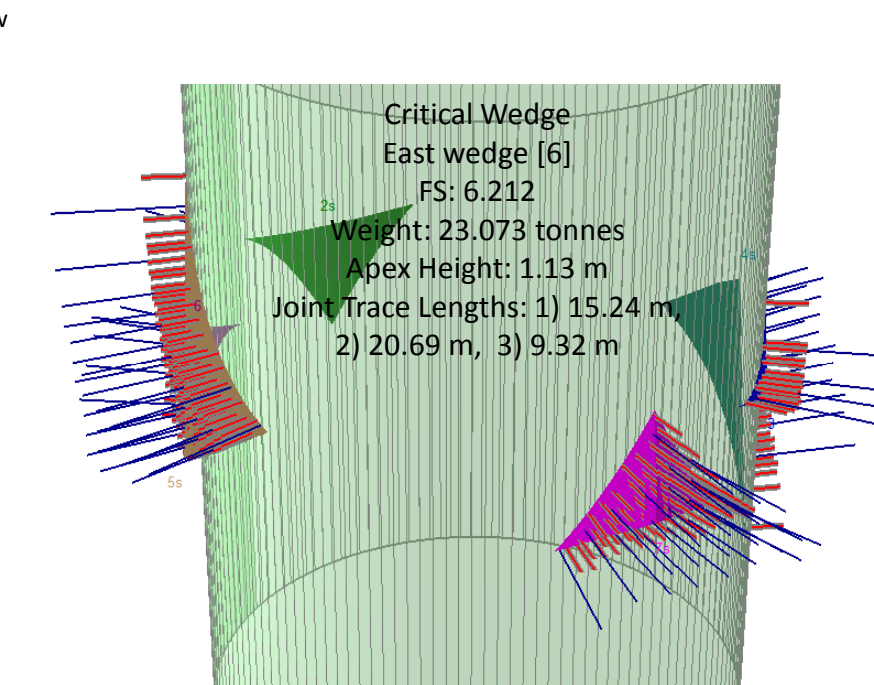
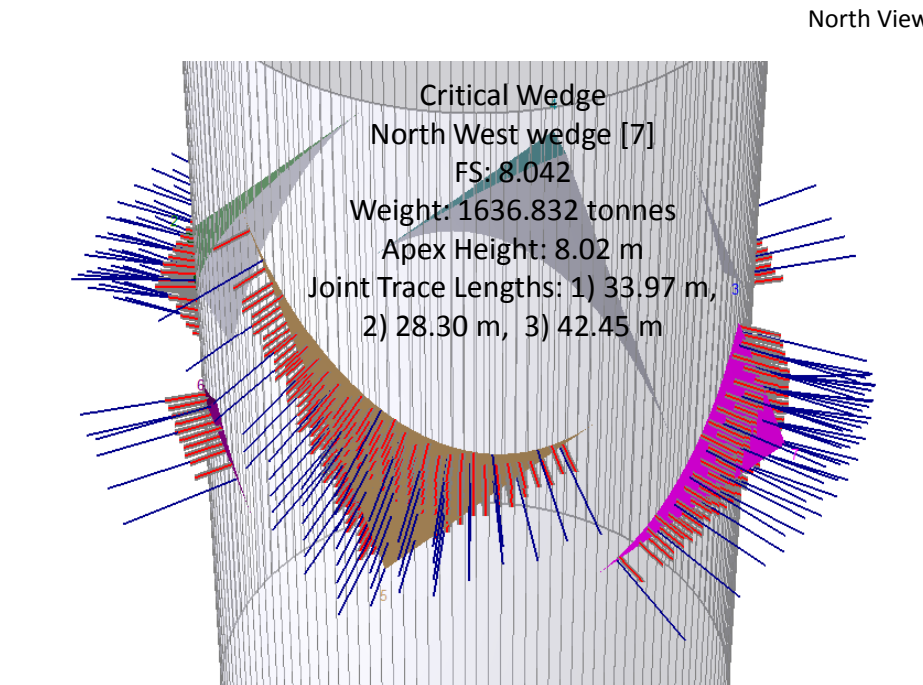
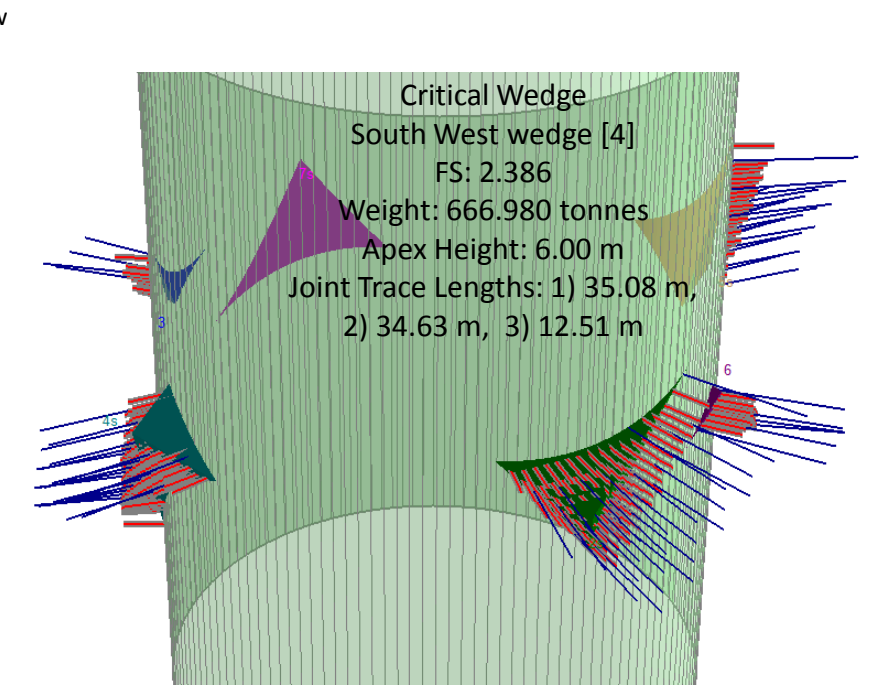
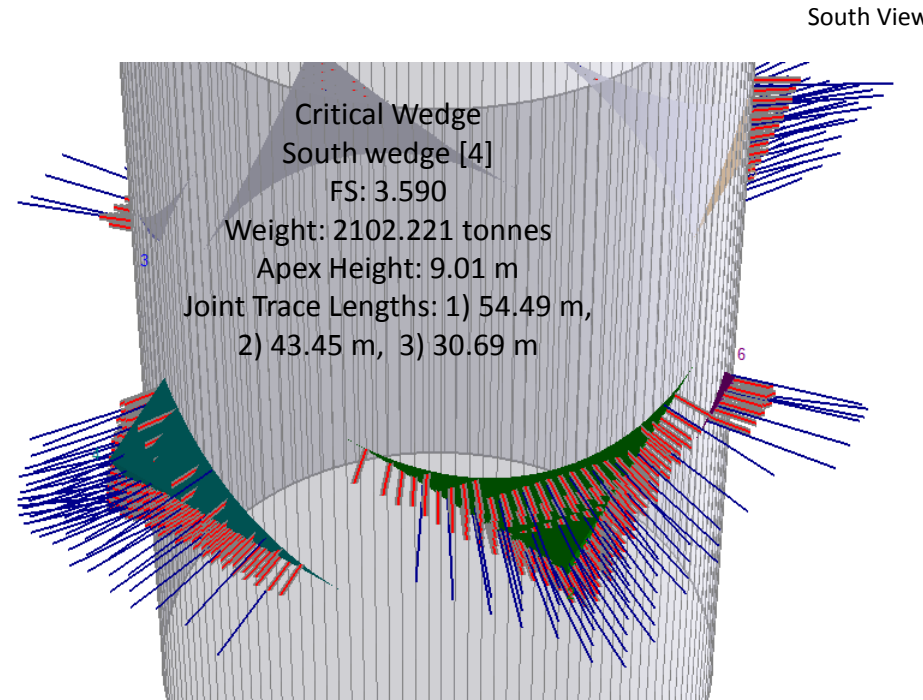
SCALED WEDGE
 $c = 0.0$; $\phi = 42^\circ$ and $T_o = 0.0$ on discontinuities

WCD Plan View and Support System



WCD Support System Properties

Support Type	Length (m)	Spacing (m)	Tensile Strength (tonnes)	Bond Strength (tonnes/m)
Bolts (red)	5	1.25	16	10
Cables (blue)	15	2.5	50	35



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DOC: M.V.

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