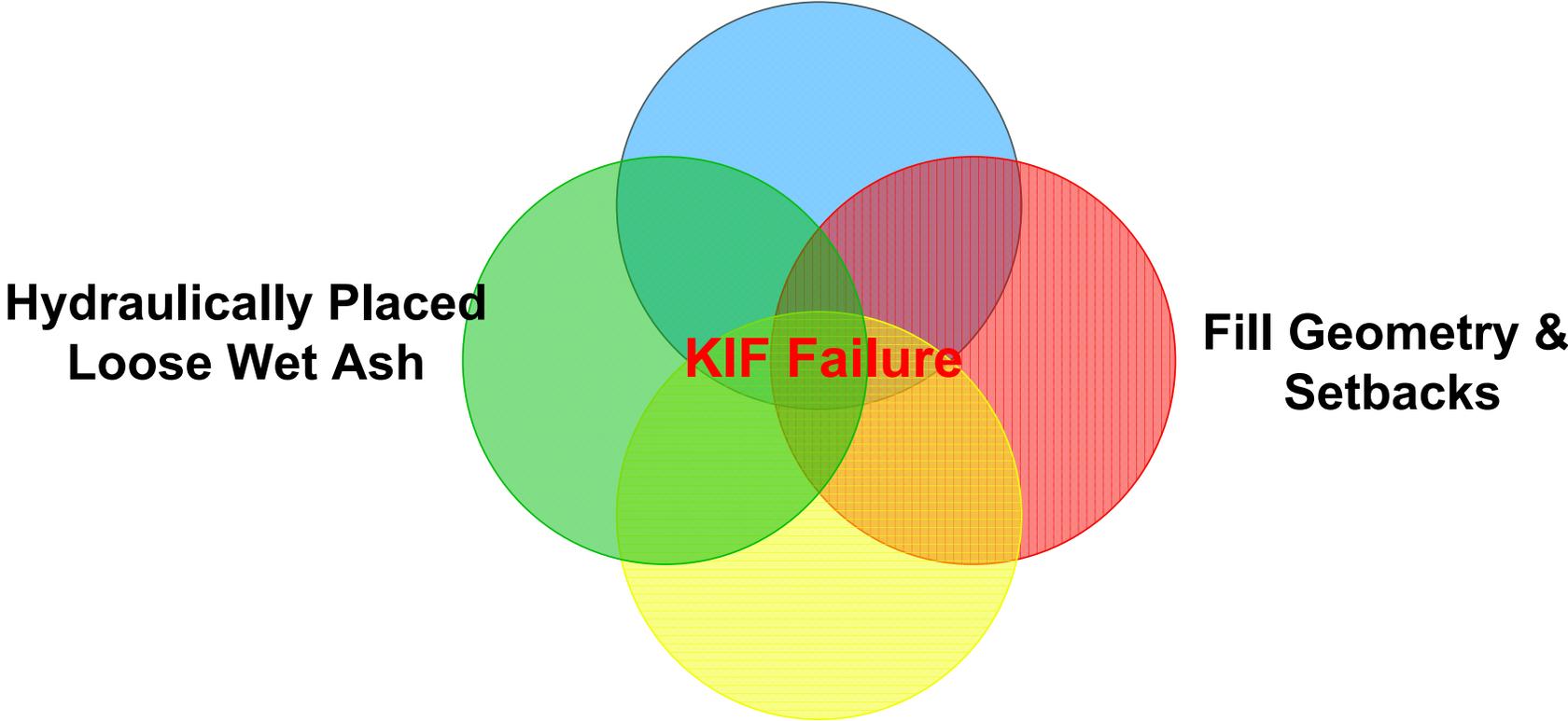
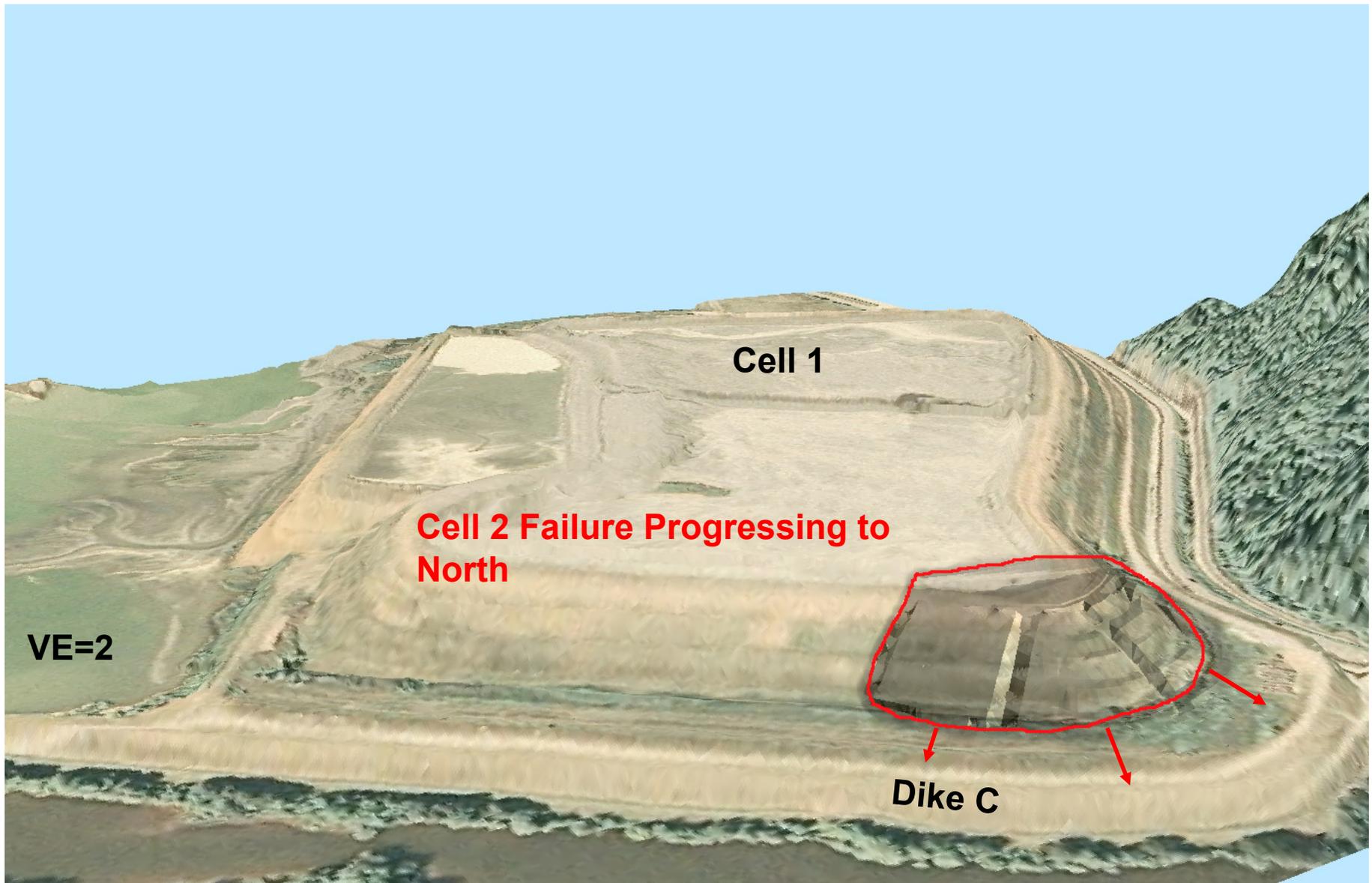


# Kingston Dredge Cell Failure Conditions

**Increased Loads Due to Higher Fill**

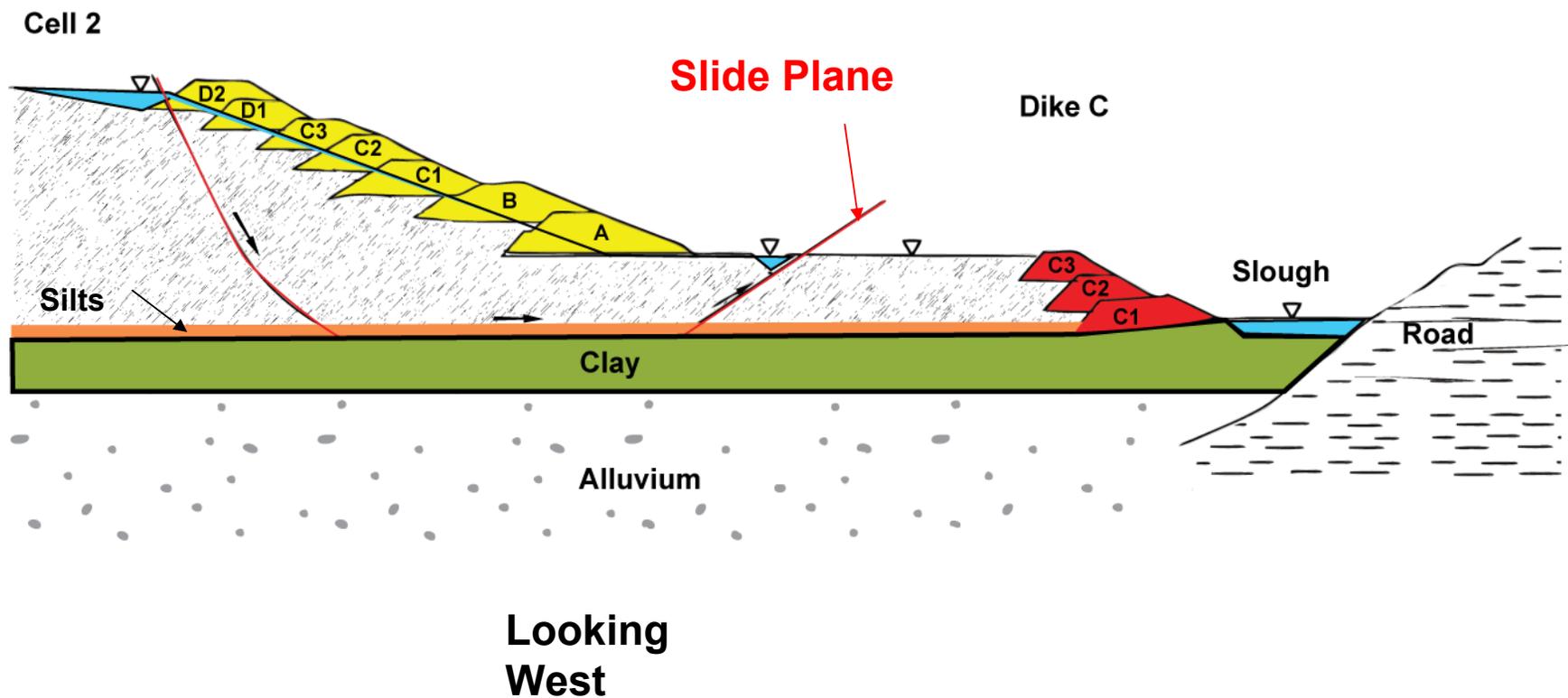


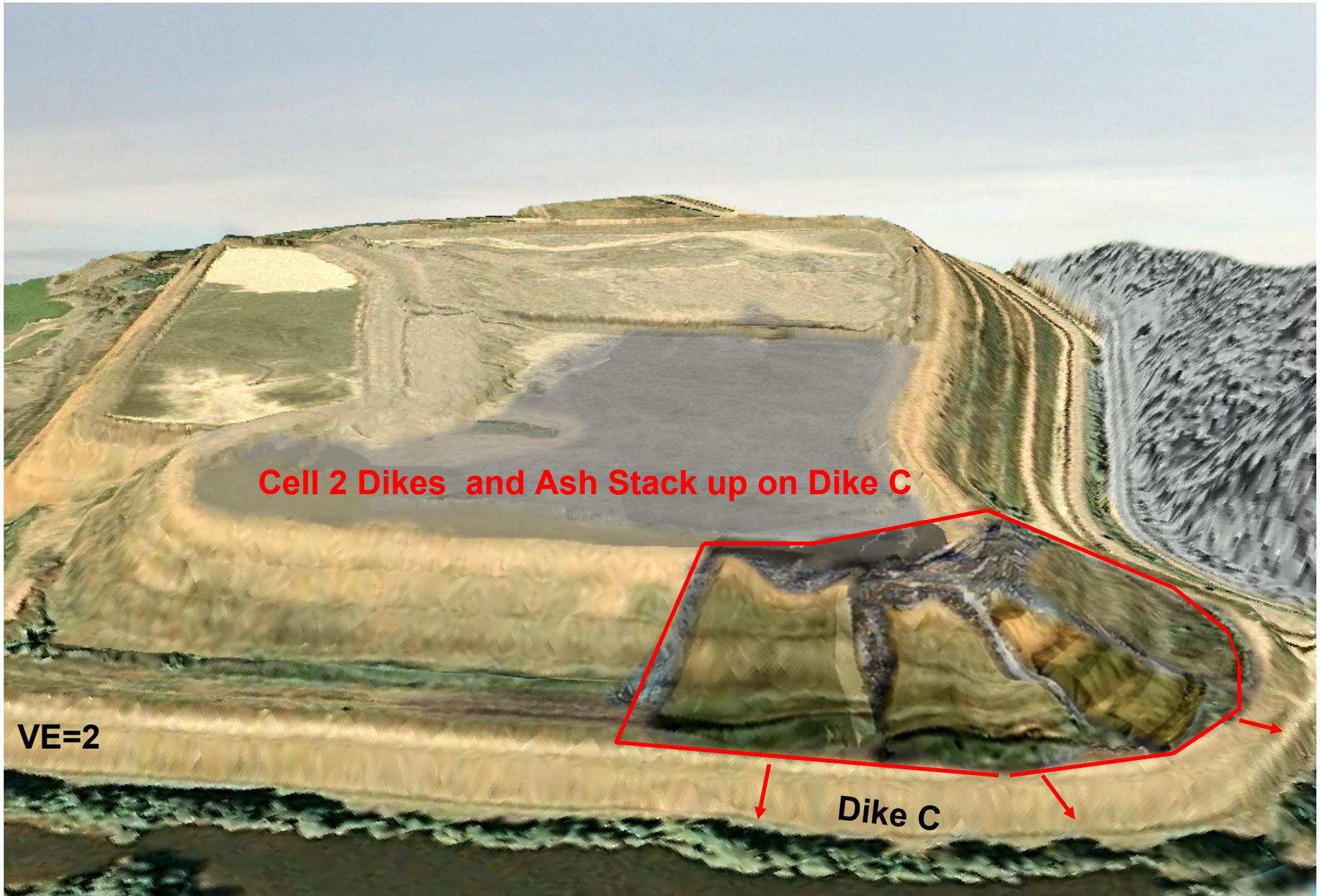
**Unusually Weak Silt/Ash Slime Foundation**



**December 22, 2008 Expected Failure Mode at NW Corner of Cell 2**

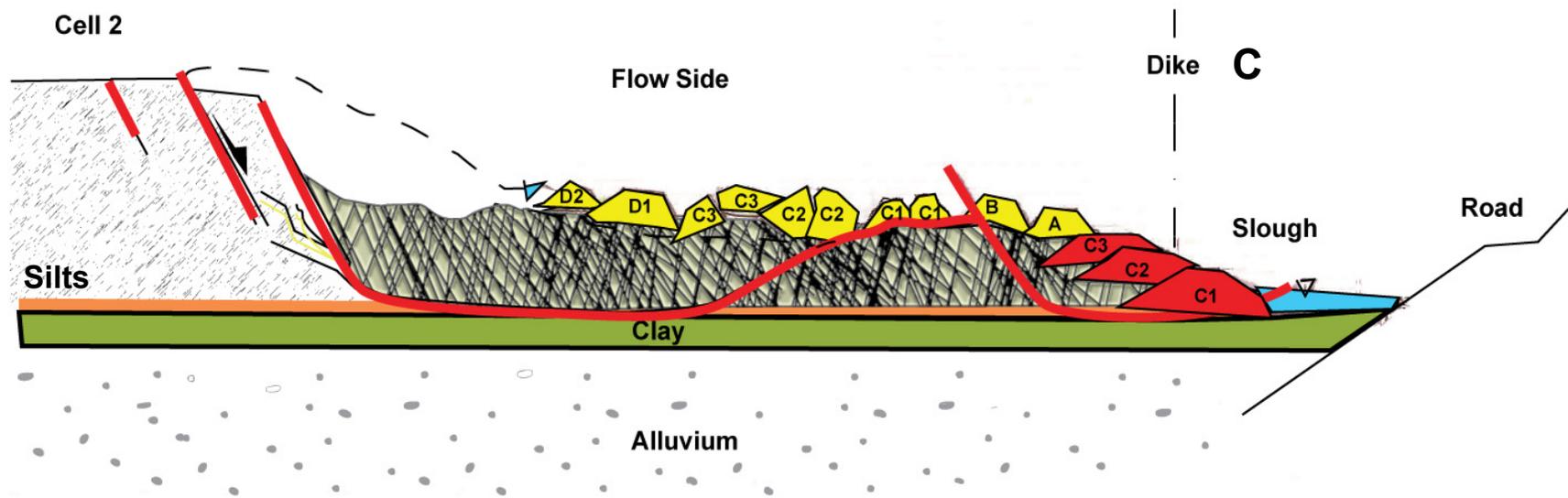
# Stage 1 - Initiation of Failure at North Side of Dredge Cell 2



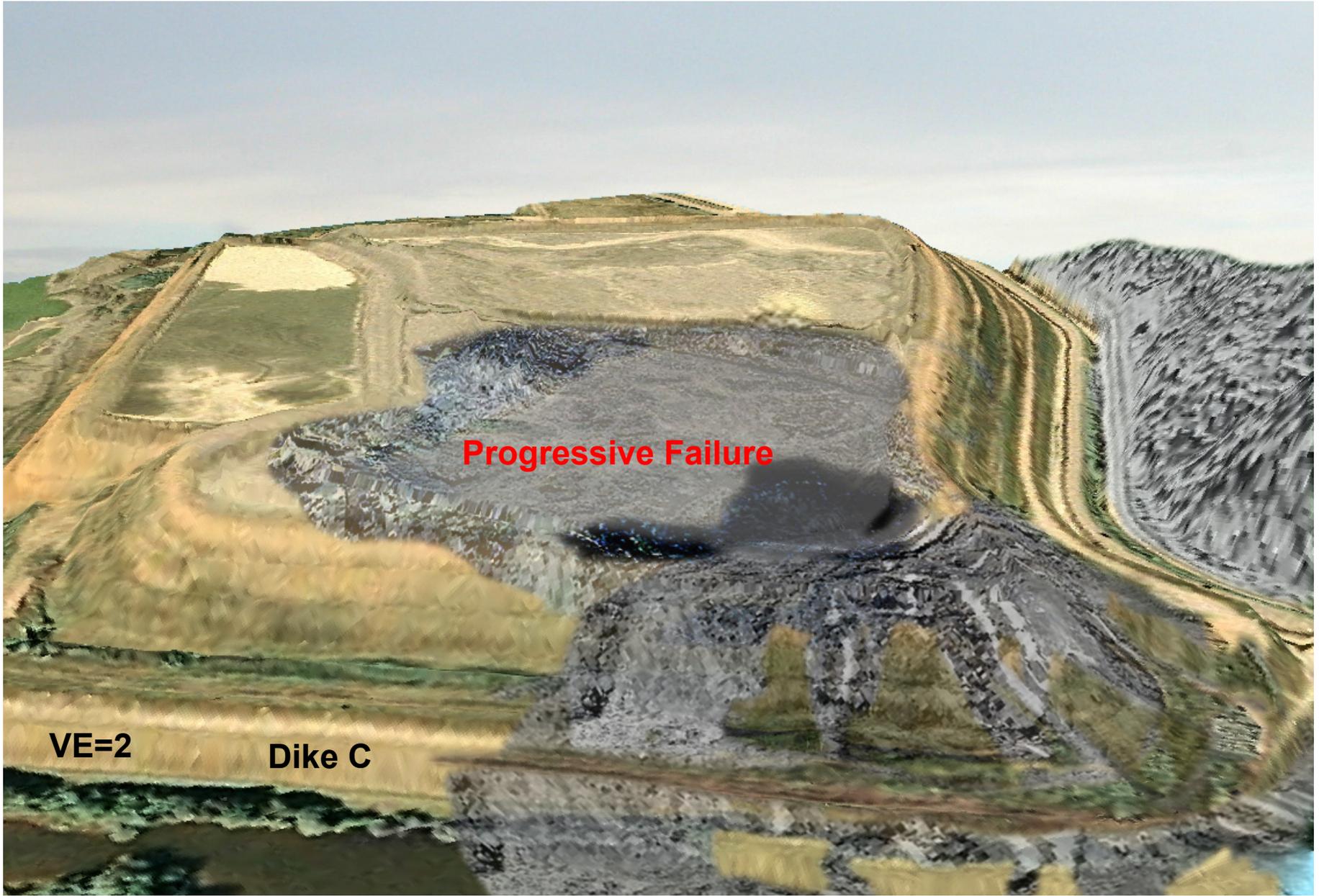


**December 22, 2008 Expected Failure Mode at NW Corner of Cell 2**

# Stage 2 – Ash & Dikes A thru D2 Pile Up Against Dike C. This Surcharge and increased Ash Pressure Causes Dike C to Fail



Looking West



**December 22, 2008 Expected Failure Mode at NW Corner of Cell 2**

# Stage 3 – Progressive Failure Southward that Fails North Dikes A thru D2 Back to Cell 1 Divider Dike. 5.4 Million CY Fill Sloughs and Reservoir

