

Normalized Water Replenishment = NWR

Difference between cumulative water injection $Q_W^\downarrow$ and cumulative water production $Q_W^\uparrow$ normalized to the pore volume V_{phi} :

$$\text{NWR} = \frac{B_w \cdot (Q_W^\downarrow - Q_W^\uparrow)}{V_{\text{phi}}}$$

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