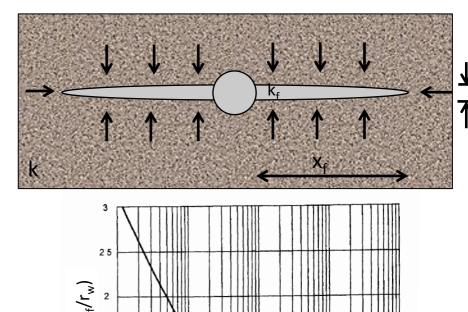
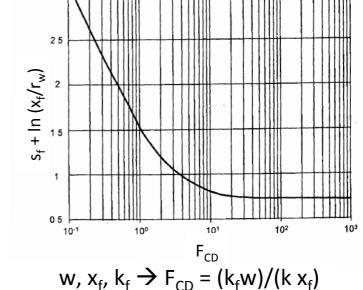
## **Intact** $P_{W}$ h $Q = -\frac{2\pi kh}{\mu} \frac{\left(P_e - P_W\right)}{p_D + s}$

## Fractured





 $x_f, r_W, F_{CD} \rightarrow s_f$  from above plot