

$$\text{TRE} = \frac{1}{E_{\text{TOC}}} \left[a + b (Q_s)^{0.88} + c (Q_s) + d (Q_s) (H_T) + e (Q_s)^{0.88} (H_T)^{0.88} + f (Y_s)^{0.5} \right]$$