

	Fluvial parameters			Supply regime		Timescales			
	$U_{\text{fluv}} (= U_{\text{pulse}})$ ($\text{m}^3 \text{yr}^{-1}$)	D_{a50} (mm)	D_{a90} (mm)	M_{pulse} (m^3)	F_{pulse} (1yr^{-1})	T_{fe} (yrs)	T_{ar} (yrs)	$T_{\text{pp}}/T_{\text{fe}}$	$T_{\text{pp}}/T_{\text{ar}}$
East Creek	0.75	57	150	0.75	1	2.23	3.58	0.45	0.28
Threshold T_{fe}	0.75	57	150	1.67	0.45 ^a	2.23	3.58	1	0.62
– with $2 \times U_{\text{fluv}}$	1.5	57	150	1.67	0.90 ^a	1.11	1.79	1	0.62
– with $2 \times D_{\text{a50}}$ and D_{a90}	0.75	114	300	0.42	1.80 ^a	0.56	0.89	1	0.62
Threshold T_{ar}	0.75	57	150	2.68	0.28 ^b	2.23	3.58	1.61	1
– with $2 \times U_{\text{fluv}}$	1.5	57	150	2.68	0.56 ^b	1.11	1.79	1.61	1
– with $2 \times D_{\text{a50}}$ and D_{a90}	0.75	114	300	0.67	1.12 ^b	0.56	0.89	1.61	1