

Name	Description	K_{20} (/day)	θ	Mean value		
				Original SWAT	Hydroclimato-logical model	Equilibrium temperature model
RK1	CBOD deoxygenation rate	1.71	1.047	1.072	0.999	1.069
RK2	Oxygen reaeration rate	50	1.024	31.356	29.197	31.265
BC3	Organic N hydrolysis rate	0.21	1.047	0.132	0.123	0.131
BC4	Organic P mineralization rate	0.35	1.047	0.220	0.204	0.219