

MASS BALANCE (MONTE CARLO): Version 6.0

Calculations: 01 June 2022 at 10:47

Discharge: Newhurst Package

Treatment Plants

River: Shortcliff Brook

Pollutant: BOD Target: 4 90-percentile

Mean u/s river flow	16.2		Mean discharge flow	0.041	
95-percentile low flow	3.50		Standard deviation	0.0000	
		(confidence)			(confidence)
Mean u/s river quality	1	(0.99 - 1.01)	Mean d/s river quality	2.52	(1.09 - 3.96)
Standard deviation	0.01	(0.0044 - 0.016)	Standard deviation	1.36	(0.51 - 2.21)
Number of samples	5		Number of samples	4	
90-percentile	1.01	(1.00 - 1.03)	90-percentile	4.00	(2.59 - 14.0)
CURRENT DISCHARGE		(confidence)	REQUIRED DISCHARGE		(confidence)
Mean discharge quality	0.0579	(0.058 - 0.058)	Mean discharge quality	343	(343 - 343)
Standard deviation	0.0001	(0.0000 - 0.0001)	Standard deviation	0.0000	(0.0000 - 0.0000)
Number of samples	4		Number of samples	4	
95-percentile	0.058	(0.058 - 0.058)	95-percentile	0.058	(344 - 0.58)
99-percentile	0.058	(0.058 - 0.058)	99-percentile	0.058	(344 - 0.80)
99.5-percentile	0.058	(0.058 - 0.058)	99.5-percentile	0.058	(344 - 0.88)

CORRELATION COEFFICIENTS	
River and discharge flow	0.6000
River flow and quality	-0.3000
Discharge flow and quality	-0.2000

	FILES WITH NON-PARAMETRIC DATA
River flow	none
River quality	none
Discharge flow	none
Discharge quality	none
Intermittent discharge flow	none

	INTERMITTENT DISCHARGE ADDED
% time in operation	0.0000
Mean flow (when operating)	0.0000
Standard deviation	0.0000
Correlation coefficient	0.0000
Mean quality	0.0000
Standard deviation	(0.0000 - 0.0000)

Correlation with flow	0
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