

Creigiau WwTW

discharge

river

pollutant

mean upstream river flow

the 95-percentile low flow

mean discharge flow

standard deviation

mean u/s river quality (241 - 759)

standard deviation (319 - 669)

number of samples

mean discharge quality (637 - 1363)

standard deviation (455 - 945)

number of samples

the 95-percentile (1602 - 4609)

the 99-percentile (2273 - 8724)

the 99.5-percentile (2575 - 11055)

correlation: river and discharge flow

downstream target

mean

calculate required discharge quality

calculate impact of input discharge quality

mean d/s river quality	<input type="text" value="1000"/>	(671 - 1329)
standard deviation	<input type="text" value="635"/>	(412 - 858)
number of samples	<input type="text" value="12"/>	

required discharge mean	<input type="text" value="1890"/>	(1211 - 2569)
standard deviation	<input type="text" value="1310"/>	(850 - 1769)
number of samples	<input type="text" value="12"/>	
the 95-percentile	<input type="text" value="4384"/>	(3054 - 8646)
the 99-percentile	<input type="text" value="6801"/>	(4407 - 16350)
the 99.5-percentile	<input type="text" value="7759"/>	(4800 - 20470)

correlation: river flow and quality	<input type="text" value="0.0000"/>
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correlation: discharge flow and quality	<input type="text" value="0.0000"/>
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MASS BALANCE: Monte Carlo
Calculations: 13 October 2025 at 01:53