

Llangurig RQP

discharge Llangruig

river

pollutant Fe

mean upstream river flow 3301

the 95-percentile low flow 317

mean discharge flow 0.52

standard deviation 0.17

mean u/s river quality 500 (241 - 759)

standard deviation 500 (319 - 669)

number of samples 12

mean discharge quality 1000 (637 - 1363)

standard deviation 700 (455 - 945)

number of samples 12

the 95-percentile 2315 (1602 - 4609)

the 99-percentile 3560 (2273 - 8724)

the 99.5-percentile 4167 (2575 - 11055)

INT

NPD

correlation: river and discharge flow 0.6000

downstream target 1000

mean M

calculate required discharge quality

calculate impact of input discharge quality

mean d/s river quality 1000 (533 - 1467)

standard deviation 901 (585 - 1216)

number of samples 12

required discharge mean 1196960 (767095 - 1626825)

standard deviation 829171 (538395 - 1119948)

number of samples 12

the 95-percentile 2775920 (1933905 - 547455)

the 99-percentile 4306573 (2790526 - 103525)

the 99.5-percentile 4912959 (3039502 - 129612)

correlation: river flow and quality 0.0000

MASS BALANCE: Monte Carlo

Calculations: 08 May 2025 at 09:13

old data - WORD

old data - EXCEL

old data - NOTE

new discharge

calculate

sensitivity

Excel

Word

Note

menu

quit

OUT