

Pandy (Monmouthshire) RQP

discharge Pandy Monmouthshire

river

pollutant Fe

mean upstream river flow 1717

the 95-percentile low flow 279

mean discharge flow 2.55

standard deviation 0.84

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 (595 - 1405)

standard deviation 781 (507 - 1055)

number of samples 12

required discharge mean 183464 (117576 - 249351)

standard deviation 127091 (82522 - 171660)

number of samples 12

the 95-percentile 425478 (296419 - 839111)

the 99-percentile 660088 (427717 - 1586781)

the 99.5-percentile 753032 (465878 - 1986629)

correlation: river flow and quality 0.0000

correlation: discharge flow and quality 0.0000

MASS BALANCE: Monte Carlo

Calculations: 02 April 2025 at 11:13

old data - WORD

old data - EXCEL

old data - NOTE

new discharge

calculate

sensitivity

Excel

Word

Note

menu

quit

OUT