

### Wick WwTW Iron Limits – RQP

discharge

Wick WWTW

river

pollutant

Fe

mean upstream river flow

34

the 95-percentile low flow

6.2

mean discharge flow

1.94

standard deviation

0.64

mean u/s river quality

500

(241 - 759)

standard deviation

500

(319 - 669)

number of samples

12

mean d/s river quality

1000

(629 - 1371)

standard deviation

715

(464 - 966)

number of samples

12

required discharge mean

6330

(4057 - 8603)

standard deviation

4385

(2847 - 5922)

number of samples

12

the 95-percentile

14680

(10227 - 28950)

the 99-percentile

22774

(14757 - 54746)

the 99.5-percentile

25981

(16073 - 68542)

correlation: river and discharge flow

0.6000

correlation: river flow and quality

0.0000

correlation: discharge flow and quality

0.0000

calculate required discharge quality

☒

calculate impact of input discharge quality

☐

old data - WORD

old data - EXCEL

old data - NOTE

new discharge

calculate

sensitivity

Excel

Word

Note

menu

quit

INT

NPD

OUT