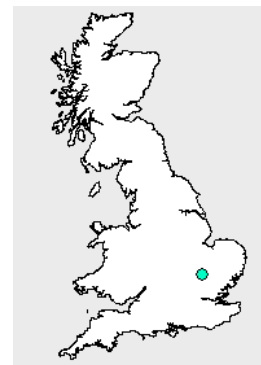


General Information

| | | | |
|----------------|----------|-----------------------------|--------------|
| River Name | Rhee | Catchment Area (km2) | 119 |
| Station Name | Wimpole | SAAR (mm) 61-90 | 557 |
| Station Number | 33027 | Mean Annual Rain (mm) 62-91 | 562 |
| Grid Reference | TL333485 | Mean Annual PE (mm) 62-91 | 607 |
| EA Region | EA-A | Observed flow record | 1965 to 2005 |



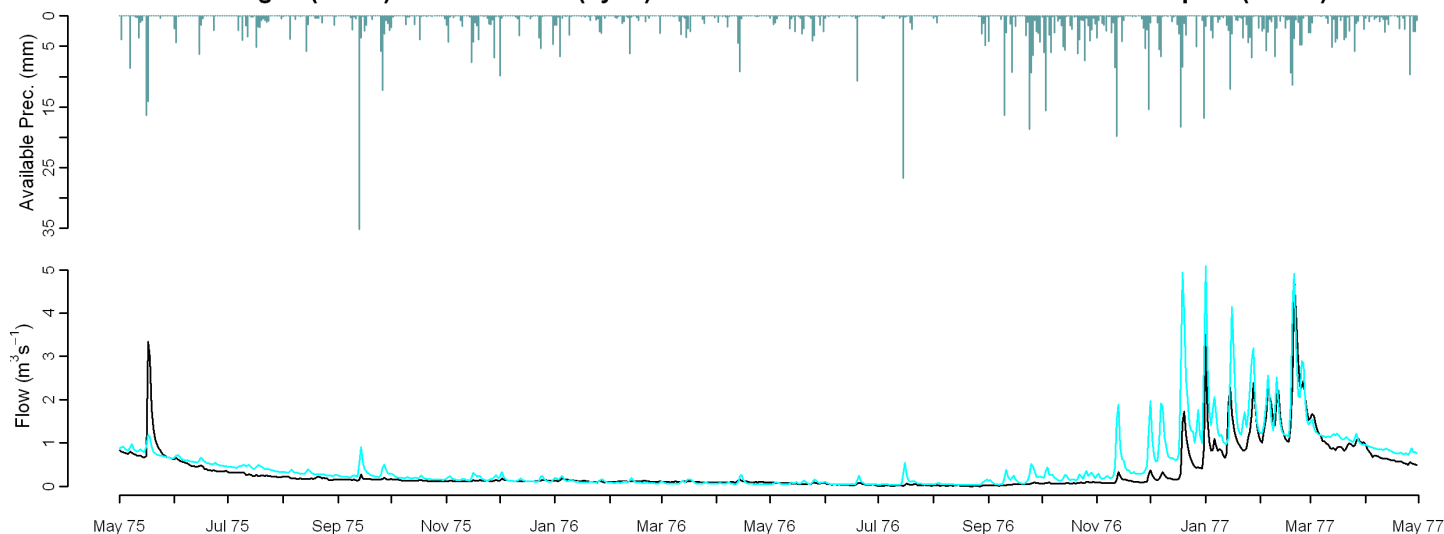
Observed Data

Comparison of gauged and simulated flow

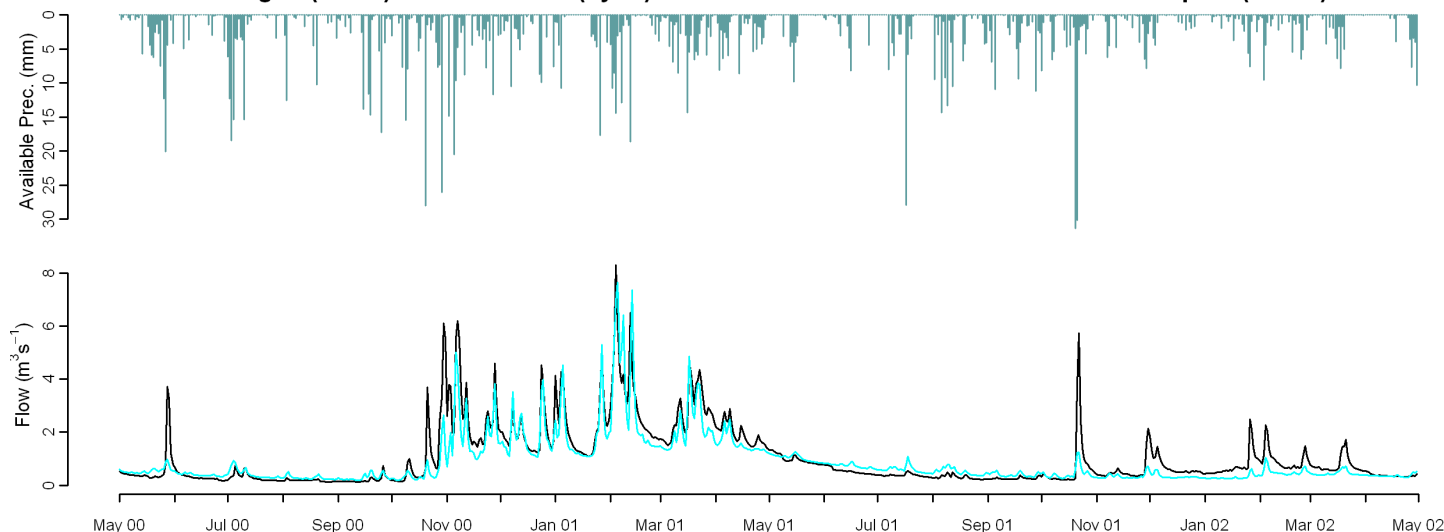
Model used: CERF

| | Mean Annual | J | F | M | A | M | J | J | A | S | O | N | D | Nash Sutcliffe |
|--------------------|-------------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|----------------|
| MORECS (1971-2005) | -8.5 | -19.7 | -17.5 | -16.9 | -19.1 | 0.9 | 23.9 | 55.5 | 71.3 | 42.5 | -25.8 | -22.7 | -15.5 | 0.67 |
| Performance Band | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| MORECS (1962-1991) | -16.5 | -32.1 | -25.7 | -22.1 | -22.2 | -7.7 | 10.5 | 42.5 | 46.5 | 24.7 | -25.3 | -24.0 | -31.2 | 0.63 |
| | Q90 | Q75 | Q50 | Q25 | Q5 | RP2 | RP5 | RP10 | RP20 | | | | | |
| MORECS (1971-2005) | 49.9 | 38.8 | 24.3 | -5.5 | -27.3 | | | | | | | | | |
| Performance Band | 1 | 1 | 2 | 3 | 3 | | | | | | | | | |
| MORECS (1962-1991) | 29.1 | 27.4 | 5.1 | -17.0 | -34.7 | | | | | | | | | |

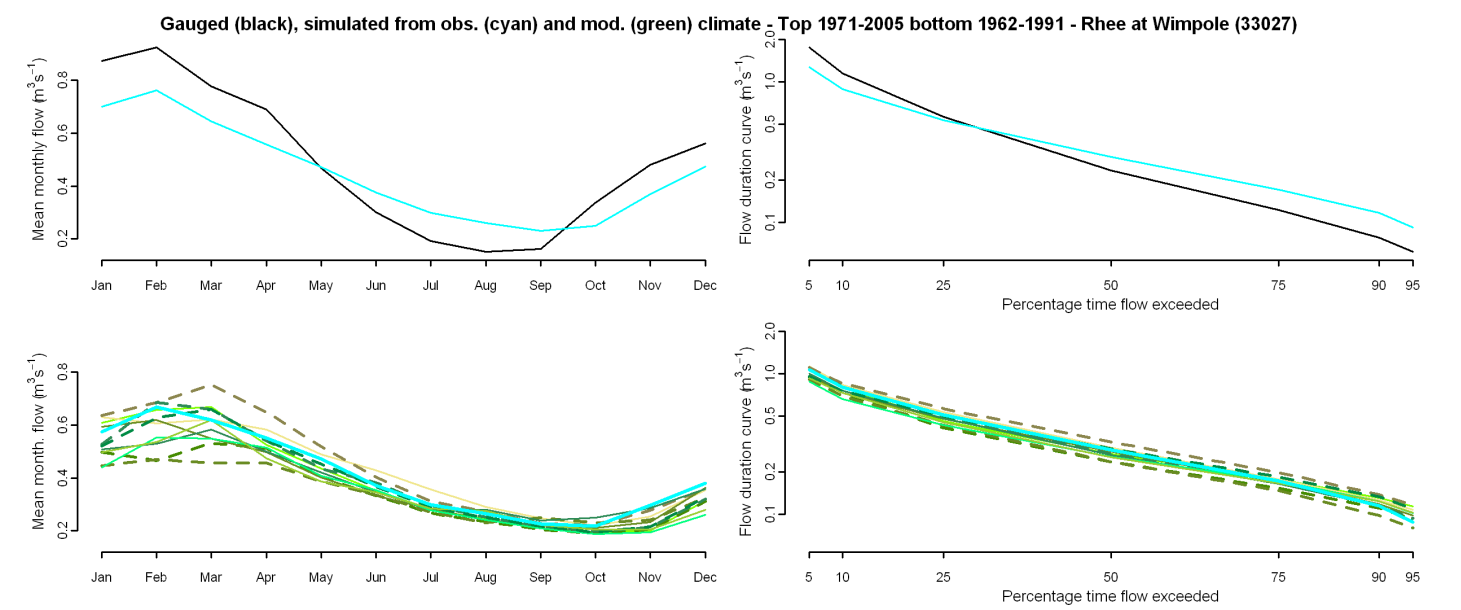
Gauged (black) and simulated (cyan) flows from observed climate - Rhee at Wimpole (33027)



Gauged (black) and simulated (cyan) flows from observed climate - Rhee at Wimpole (33027)



Comparison of gauged and simulated flow (observed and modelled climate)



Percentage difference between flow simulated from observed climate and Future Flows Climate

| | afgcx | afixa | afixc | afixh | afixi | afixj | afixk | afixl | afixm | afixo | afixq |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Annual | -2 | -18 | 8 | 11 | -7 | -17 | -6 | -1 | -15 | -3 | -13 |
| January | 5 | -20 | 13 | 12 | 4 | -23 | -16 | -5 | -22 | -8 | -14 |
| April | -3 | -17 | 13 | 23 | -8 | -20 | -10 | 4 | -5 | 1 | -16 |
| July | -3 | -13 | 25 | 10 | -7 | -11 | -3 | 2 | -3 | -1 | -6 |
| October | -7 | -11 | 4 | 6 | -10 | 6 | 18 | -5 | -9 | -9 | -7 |
| Q90 | 14 | -5 | 12 | 23 | 1 | -16 | 0 | 1 | 8 | 15 | 7 |
| Q75 | 3 | -13 | 5 | 16 | -5 | -16 | -4 | -1 | 0 | 6 | -6 |
| Q50 | -6 | -21 | 8 | 16 | -6 | -20 | -9 | -2 | -9 | 2 | -14 |
| Q25 | -10 | -24 | 9 | 13 | -8 | -19 | -9 | 3 | -15 | -1 | -15 |
| Q5 | -2 | -19 | 7 | 7 | -10 | -18 | -8 | 1 | -17 | -8 | -16 |
| RP2 | -12 | -30 | -1 | -5 | -27 | -23 | -8 | -10 | -27 | -15 | -23 |
| RP10 | -13 | -24 | 9 | -9 | -24 | -19 | -11 | -24 | -29 | -23 | -29 |

Climate change graphs for 2050s

