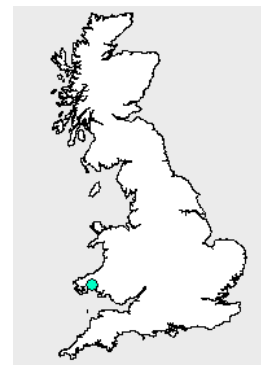


General Information

| | | | |
|----------------|---------------|-----------------------------|--------------|
| River Name | Dewi Fawr | Catchment Area (km2) | 37 |
| Station Name | Glasfryn Ford | SAAR (mm) 61-90 | 1485 |
| Station Number | 60004 | Mean Annual Rain (mm) 62-91 | 1487 |
| Grid Reference | SN290175 | Mean Annual PE (mm) 62-91 | 612 |
| EA Region | EA-W | Observed flow record | 1969 to 2005 |



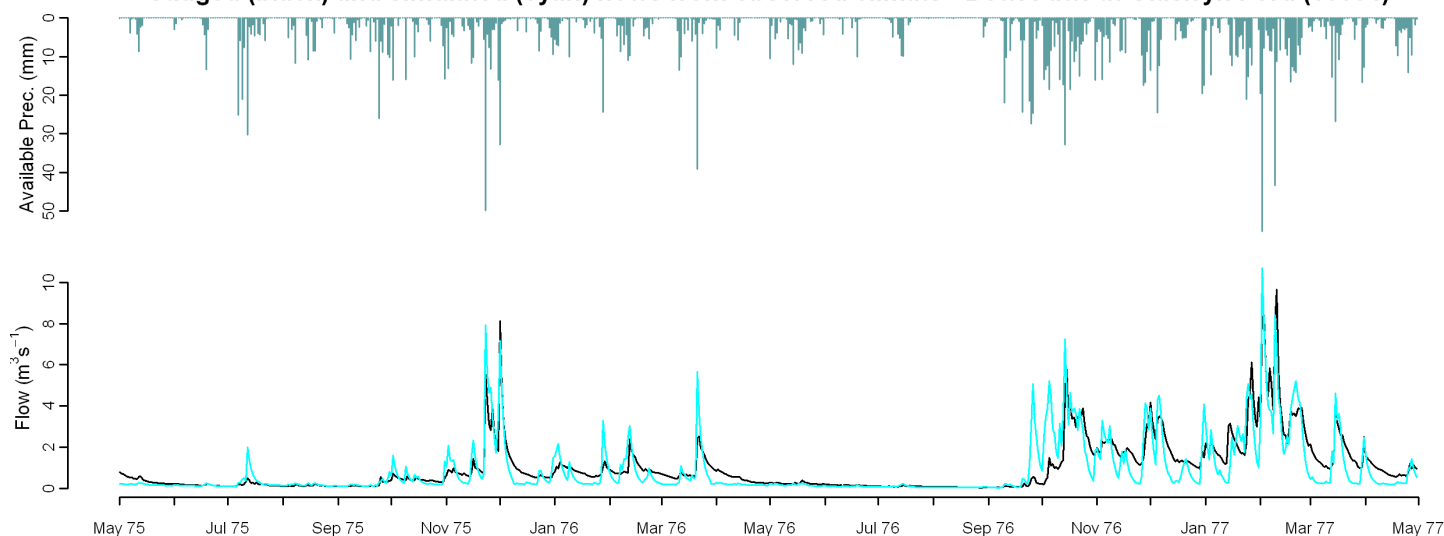
Observed Data

Comparison of gauged and simulated flow

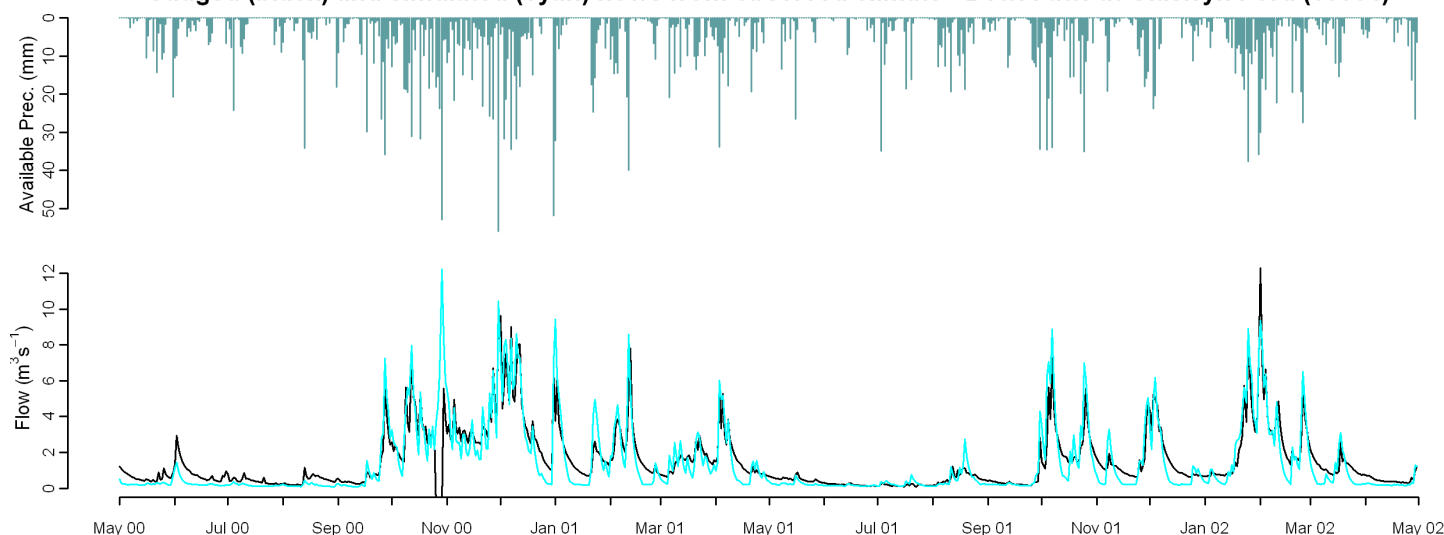
Model used: CERF

| | Mean Annual | J | F | M | A | M | J | J | A | S | O | N | D | Nash Sutcliffe |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|------|-------|----------------|
| MORECS (1971-2005) | -10.4 | -9.2 | -9.0 | -20.3 | -26.2 | -33.5 | -28.4 | -23.9 | 4.5 | 10.8 | 4.1 | -6.6 | -10.3 | 0.73 |
| Performance Band | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| MORECS (1962-1991) | -11.7 | -9.7 | -9.0 | -17.5 | -36.0 | -36.0 | -25.1 | -18.2 | 3.1 | 20.5 | 0.1 | -7.3 | -10.8 | 0.72 |
| | Q90 | Q75 | Q50 | Q25 | Q5 | RP2 | RP5 | RP10 | RP20 | | | | | |
| MORECS (1971-2005) | -24.2 | -44.7 | -59.1 | -10.5 | 15.1 | | | | | | | | | |
| Performance Band | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| MORECS (1962-1991) | -19.7 | -36.8 | -57.6 | -11.3 | 18.2 | | | | | | | | | |

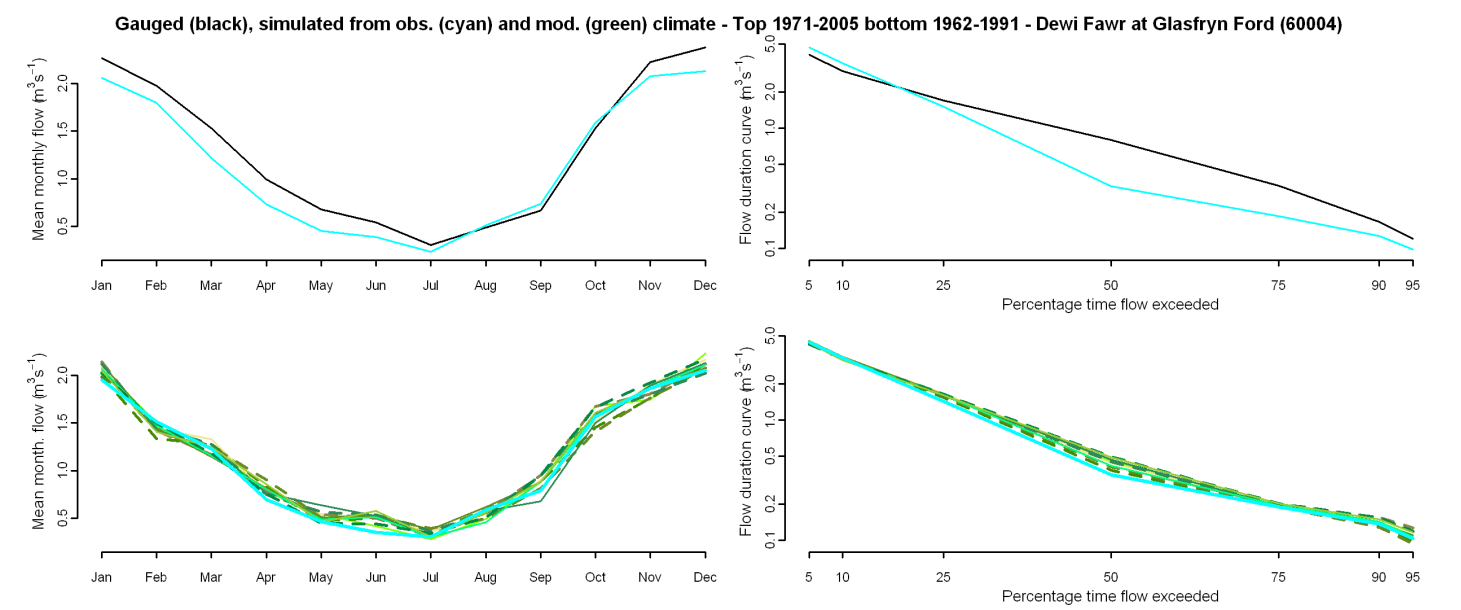
Gauged (black) and simulated (cyan) flows from observed climate - Dewi Fawr at Glasfryn Ford (60004)



Gauged (black) and simulated (cyan) flows from observed climate - Dewi Fawr at Glasfryn Ford (60004)



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 | 6 | 4 | 6 | 7 | 5 | 4 | 4 | 6 | 3 | 4 | 5 |
| January | 9 | 2 | 11 | 8 | 9 | 7 | 6 | 10 | 7 | 2 | 8 |
| April | 12 | 17 | 9 | 22 | 17 | 29 | 15 | 12 | 10 | 9 | 19 |
| July | -9 | 22 | 31 | 2 | 16 | 34 | 6 | 23 | -2 | 4 | -2 |
| October | 7 | 1 | -6 | 10 | -1 | -4 | 3 | 3 | 3 | 8 | 3 |
| Q90 | 4 | -4 | 4 | 15 | 1 | -8 | -1 | 11 | 2 | 9 | 10 |
| Q75 | 4 | 1 | 4 | 6 | 1 | 0 | 3 | 5 | 3 | 6 | 6 |
| Q50 | 29 | 9 | 22 | 33 | 15 | 13 | 36 | 29 | 18 | 38 | 37 |
| Q25 | 16 | 10 | 16 | 17 | 11 | 13 | 13 | 17 | 13 | 14 | 13 |
| Q5 | -1 | 2 | -1 | 0 | 2 | 1 | -2 | 1 | -3 | -4 | -2 |
| RP2 | -10 | -5 | -9 | -2 | -4 | -7 | -7 | -7 | -7 | -10 | -5 |
| RP10 | -11 | -5 | -8 | -1 | 2 | -9 | -10 | -12 | 2 | -7 | -7 |

Climate change graphs for 2050s

