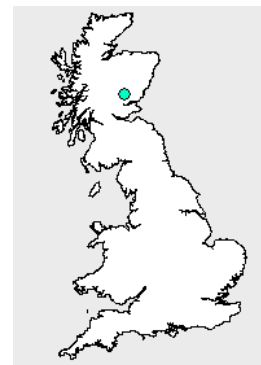


General Information

| | | | |
|----------------|-----------|-----------------------------|--------------|
| River Name | Ericht | Catchment Area (km2) | 432 |
| Station Name | Craighall | SAAR (mm) 61-90 | 1129 |
| Station Number | 15025 | Mean Annual Rain (mm) 62-91 | 1149 |
| Grid Reference | NO174472 | Mean Annual PE (mm) 62-91 | 459 |
| EA Region | SEPA-NE | Observed flow record | 1985 to 2005 |



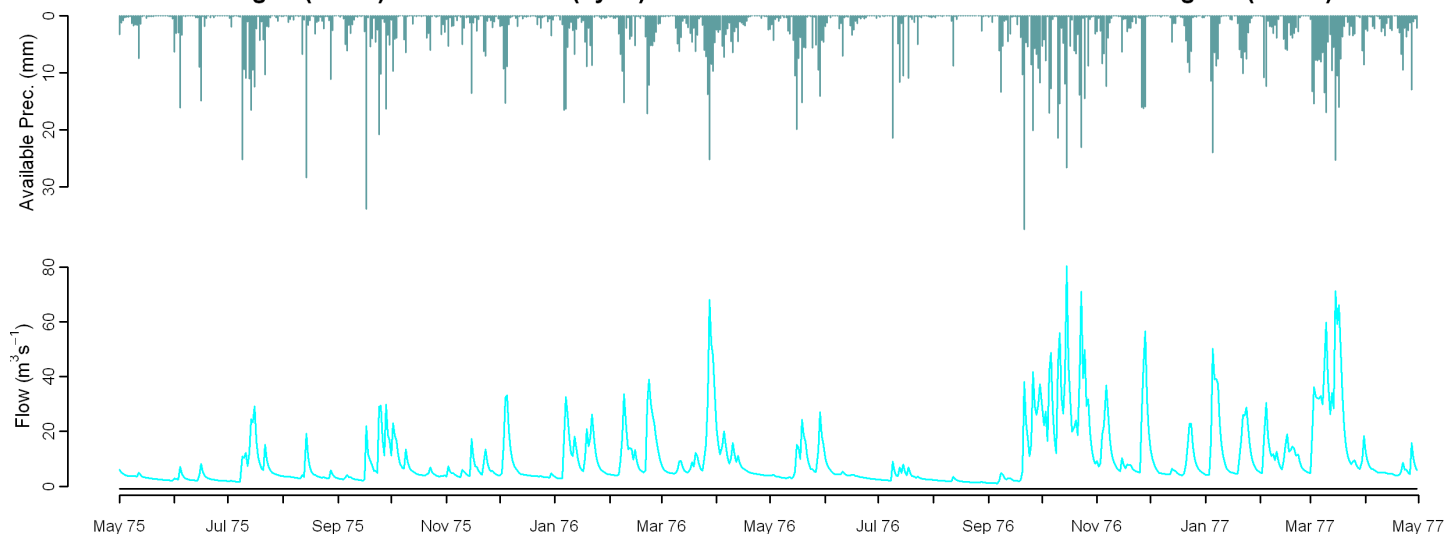
Observed Data

Comparison of gauged and simulated flow

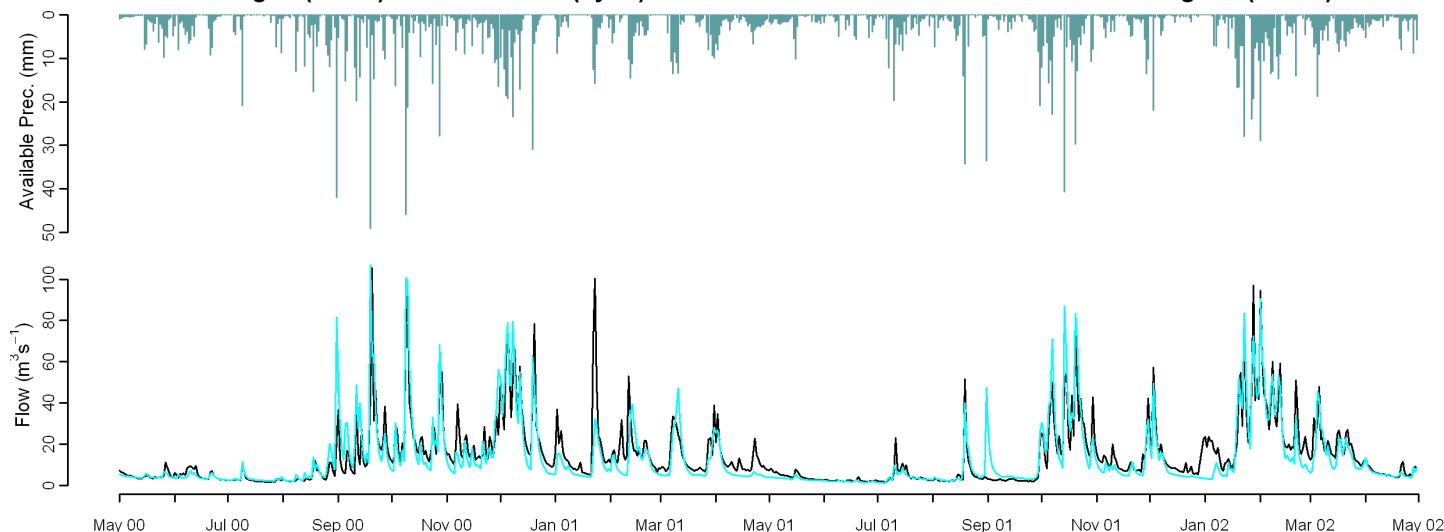
Model used: CERF

| | Mean Annual | J | F | M | A | M | J | J | A | S | O | N | D | Nash Sutcliffe |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|------|------|------|-----|------|-------|----------------|
| MORECS (1971-2005) | -7.6 | -14.3 | -13.5 | -16.4 | -15.1 | -16.7 | -11.2 | 8.7 | 13.5 | 10.7 | 6.9 | -6.5 | -13.2 | 0.73 |
| Performance Band | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| MORECS (1962-1991) | -8.5 | -15.6 | -9.3 | -15.7 | -25.2 | -23.1 | -9.8 | 11.3 | 6.5 | -4.5 | 4.8 | -8.9 | -9.0 | 0.67 |
| | Q90 | Q75 | Q50 | Q25 | Q5 | | | | | | | | | |
| MORECS (1971-2005) | 5.3 | -9.2 | -26.5 | -11.4 | 4.1 | | | | | | | | | |
| Performance Band | 1 | 1 | 1 | 1 | 1 | | | | | | | | | |
| MORECS (1962-1991) | 2.8 | -12.9 | -25.8 | -15.4 | 1.6 | | | | | | | | | |

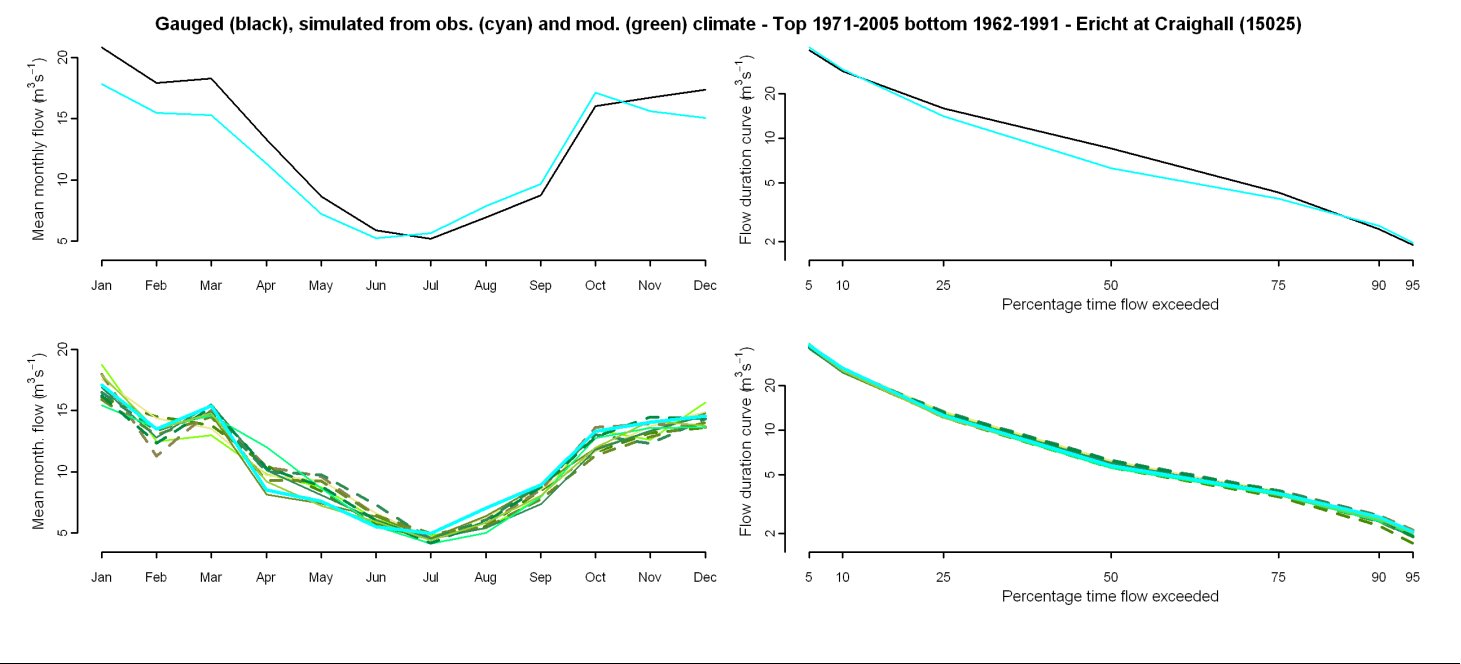
Gauged (black) and simulated (cyan) flows from observed climate - Ericht at Craighall (15025)



Gauged (black) and simulated (cyan) flows from observed climate - Ericht at Craighall (15025)



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 | 1 | -2 | 2 | 5 | -3 | -3 | -1 | 1 | -2 | 0 | -2 |
| January | 12 | -5 | 5 | 4 | -1 | -3 | -3 | -5 | -14 | -4 | 10 |
| April | 14 | 22 | 14 | 27 | -2 | 10 | 18 | 20 | 44 | 26 | 4 |
| July | -2 | -4 | -3 | -4 | -7 | -13 | -2 | -9 | -14 | -17 | -12 |
| October | 1 | -10 | -14 | 7 | -11 | -11 | -5 | -6 | 0 | -2 | -4 |
| Q90 | -1 | -10 | -8 | 5 | -5 | -7 | -7 | -1 | -6 | -5 | -4 |
| Q75 | 3 | -4 | 1 | 7 | -1 | -4 | -1 | 4 | -3 | 2 | -3 |
| Q50 | 6 | -1 | 8 | 9 | 0 | 0 | 5 | 9 | -3 | 8 | -1 |
| Q25 | 3 | -3 | 5 | 4 | -5 | -3 | 2 | 6 | -3 | 4 | -4 |
| Q5 | -2 | -1 | -2 | 0 | -6 | -3 | -4 | -3 | 3 | -4 | -1 |
| RP2 | 2 | 2 | -7 | 2 | 11 | 4 | 2 | -1 | 2 | -4 | 9 |
| RP10 | 7 | -1 | -7 | -2 | 14 | -7 | 8 | -4 | 2 | -7 | 3 |

Climate change graphs for 2050s

