

Appendix C.2 – All Burniston Beck Pooling Group

|    | Station                                 | Years | L-CV  | L-Skewne | L-Kurtosis | Discordancy | Distance |
|----|---|-------|-------|----------|------------|-------------|----------|
| 1  | 40017 (Dudwell @ Burwash)               | 17    | 0.225 | -0.028   | 0.221      | 1.828       | 0.000    |
| 2  | 28058 (Henmore Brook @ Ashbourne)       | 9     | 0.241 | -0.096   | -0.086     | 1.669       | 0.000    |
| 3  | 41028 (Chess Stream @ Chess Bridge)     | 27    | 0.190 | 0.199    | 0.161      | 1.272       | 0.000    |
| 4  | 9927044 (472550 447500 se 72550 47500)  | 27    | 0.193 | -0.091   | 0.119      | 1.246       | 0.000    |
| 5  | 20002 (West Peffer Burn @ Luffness)     | 26    | 0.316 | -0.018   | 0.111      | 0.624       | 0.000    |
| 6  | 53017 (Boyd @ Bitton)                   | 21    | 0.261 | 0.175    | 0.177      | 0.185       | 0.000    |
| 7  | 41022 (Lod @ Halfway Bridge)            | 21    | 0.263 | 0.238    | 0.201      | 0.503       | 0.000    |
| 8  | 41020 (Bevern Stream @ Clappers Bridge) | 13    | 0.137 | 0.019    | 0.205      | 1.766       | 0.000    |
| 9  | 36009 (Brett @ Cockfield)               | 25    | 0.284 | -0.069   | 0.029      | 0.518       | 0.000    |
| 10 | 25019 (Leven @ Easby)                   | 27    | 0.391 | 0.398    | 0.333      | 2.230       | 0.000    |
| 11 | 33030 (Clipstone Brook @ Clipstone)     | 13    | 0.339 | -0.079   | 0.101      | 1.578       | 0.000    |
| 12 | 27058 (Riccal @ Crook House Farm)       | 24    | 0.255 | 0.059    | 0.019      | 0.823       | 0.000    |
| 13 | 27042 (Dove @ Kirkby Mills)             | 29    | 0.272 | 0.074    | 0.068      | 0.253       | 0.000    |
| 14 | 25010 (Baydale Beck @ Mowden Bridge)    | 17    | 0.245 | 0.049    | 0.116      | 0.092       | 0.000    |
| 15 | 36010 (Bumpstead Brook @ Broad Green)   | 27    | 0.383 | 0.145    | 0.091      | 0.925       | 0.000    |
| 16 | 53019 (Woodbridge Brook @ Crab Mill)    | 12    | 0.407 | 0.227    | 0.214      | 1.352       | 0.000    |
| 17 | 41018 (Kird @ Tanyards)                 | 13    | 0.282 | 0.182    | 0.137      | 0.333       | 0.000    |
| 18 | 41006 (Uck @ Isfield)                   | 18    | 0.208 | 0.219    | 0.205      | 0.872       | 0.000    |
| 19 | 27054 (Hodge Beck @ Cherry Farm)        | 24    | 0.194 | 0.220    | 0.248      | 1.018       | 0.000    |
| 20 | 68015 (Goway @ Huxley)                  | 26    | 0.266 | 0.167    | 0.206      | 0.158       | 0.000    |
| 21 | 36004 (Chad Brook @ Long Melford)       | 27    | 0.335 | 0.303    | 0.369      | 1.922       | 0.000    |
| 22 | 20006 (Biel Water @ Belton House)       | 20    | 0.381 | 0.076    | 0.002      | 1.453       | 0.000    |
| 23 | 38026 (Pincey Brook @ Sheering Hall)    | 20    | 0.303 | -0.092   | 0.037      | 0.812       | 0.000    |
| 24 | 32003 (Harpers Brook @ Old Mill Bridge) | 25    | 0.300 | -0.024   | 0.003      | 0.565       | 0.000    |
| 25 |   |       |       |          |            |             |          |
| 26 | Total                                   | 508   |       |          |            |             |          |
| 27 | Weighted means                          |       | 0.265 | 0.090    | 0.143      |             |          |

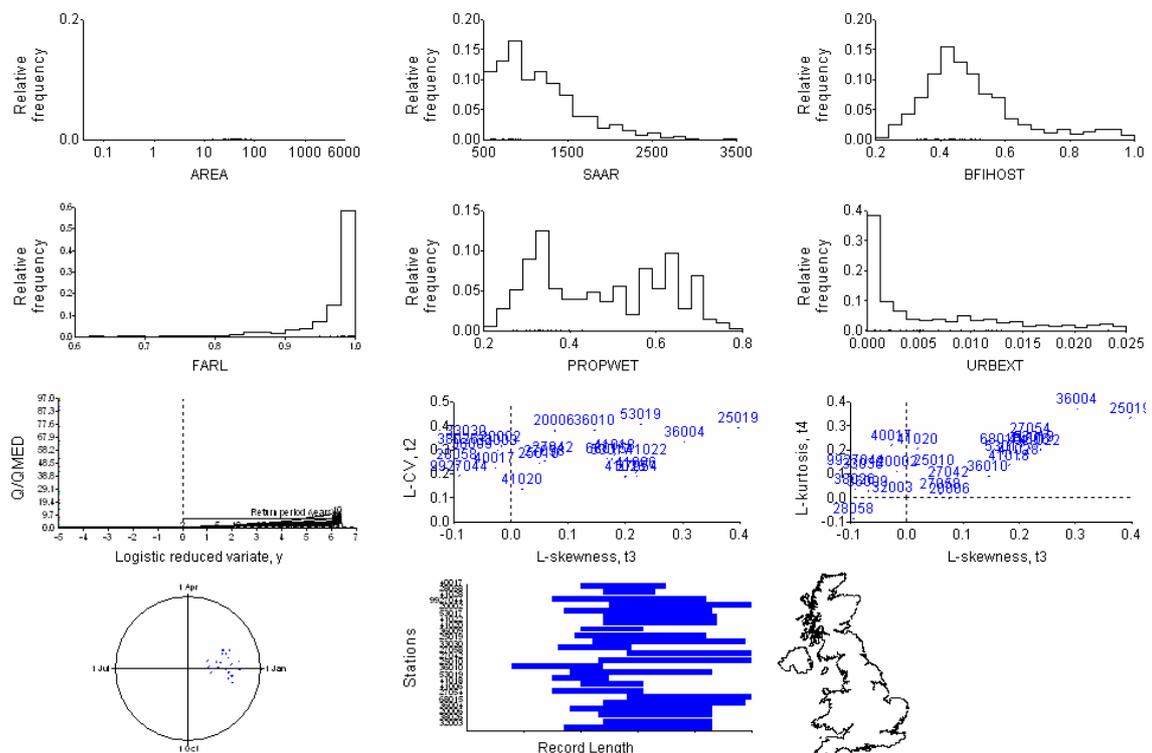
Appendix C.3 – Cloughton Beck Pooling Group

|    | Station                                   | Years | L-CV  | L-Skewne | L-Kurtosis | Discordancy | Distance |
|----|---|-------|-------|----------|------------|-------------|----------|
| 1  | 28070 (Burbage Brook @ Burbage)           | 56    | 0.344 | 0.502    | 0.452      | 1.705       | 0.000    |
| 2  | 25019 (Leven @ Easby)                     | 27    | 0.391 | 0.398    | 0.333      | 0.781       | 0.000    |
| 3  | 41016 (Cuckmere @ Cowbeech)               | 15    | 0.442 | 0.445    | 0.166      | 1.856       | 0.000    |
| 4  | 31023 (West Glen @ Easton Wood)           | 22    | 0.401 | 0.395    | 0.308      | 0.770       | 0.000    |
| 5  | 41028 (Chess Stream @ Chess Bridge)       | 27    | 0.190 | 0.199    | 0.161      | 1.021       | 0.000    |
| 6  | 27051 (Crimple @ Burn Bridge)             | 27    | 0.196 | 0.086    | 0.130      | 0.553       | 0.000    |
| 7  | 30014 (Pointon Lode @ Pointon)            | 21    | 0.392 | 0.226    | 0.256      | 0.809       | 0.000    |
| 8  | 40017 (Dudwell @ Burwash)                 | 17    | 0.225 | -0.028   | 0.221      | 1.314       | 0.000    |
| 9  | 20002 (West Peffer Burn @ Luffness)       | 26    | 0.316 | -0.018   | 0.111      | 0.897       | 0.000    |
| 10 | 52016 (Currypool Stream @ Currypool Farm) | 23    | 0.320 | 0.328    | 0.066      | 1.387       | 0.000    |
| 11 | 41806 (North End Stream @ Allington)      | 15    | 0.244 | 0.074    | 0.119      | 0.167       | 0.000    |
| 12 | 36009 (Brett @ Cockfield)                 | 25    | 0.284 | -0.069   | 0.029      | 0.876       | 0.000    |
| 13 | 33045 (Wittle @ Quidenham)                | 25    | 0.372 | 0.196    | 0.102      | 0.600       | 0.000    |
| 14 | 28058 (Henmore Brook @ Ashbourne)         | 9     | 0.241 | -0.096   | -0.086     | 1.334       | 0.000    |
| 15 | 36010 (Bumpstead Brook @ Broad Green)     | 27    | 0.383 | 0.145    | 0.091      | 0.871       | 0.000    |
| 16 | 27058 (Riccal @ Crook House Farm)         | 24    | 0.255 | 0.059    | 0.019      | 0.469       | 0.000    |
| 17 | 27010 (Hodge Beck @ Bransdale Weir)       | 41    | 0.224 | 0.293    | 0.246      | 0.939       | 0.000    |
| 18 | 30012 (Stainfield Beck @ Stainfield)      | 10    | 0.315 | 0.281    | 0.435      | 1.766       | 0.000    |
| 19 | 53017 (Boyd @ Bitton)                     | 21    | 0.261 | 0.175    | 0.177      | 0.087       | 0.000    |
| 20 | 9927044 (472550 447500 se 72550 47500)    | 27    | 0.193 | -0.091   | 0.119      | 1.107       | 0.000    |
| 21 | 15002 (Newton Burn @ Newton)              | 24    | 0.202 | 0.274    | 0.110      | 1.692       | 0.000    |
| 22 |   |       |       |          |            |             |          |
| 23 | Total                                     | 509   |       |          |            |             |          |
| 24 | Weighted means                            |       | 0.315 | 0.260    | 0.231      |             |          |

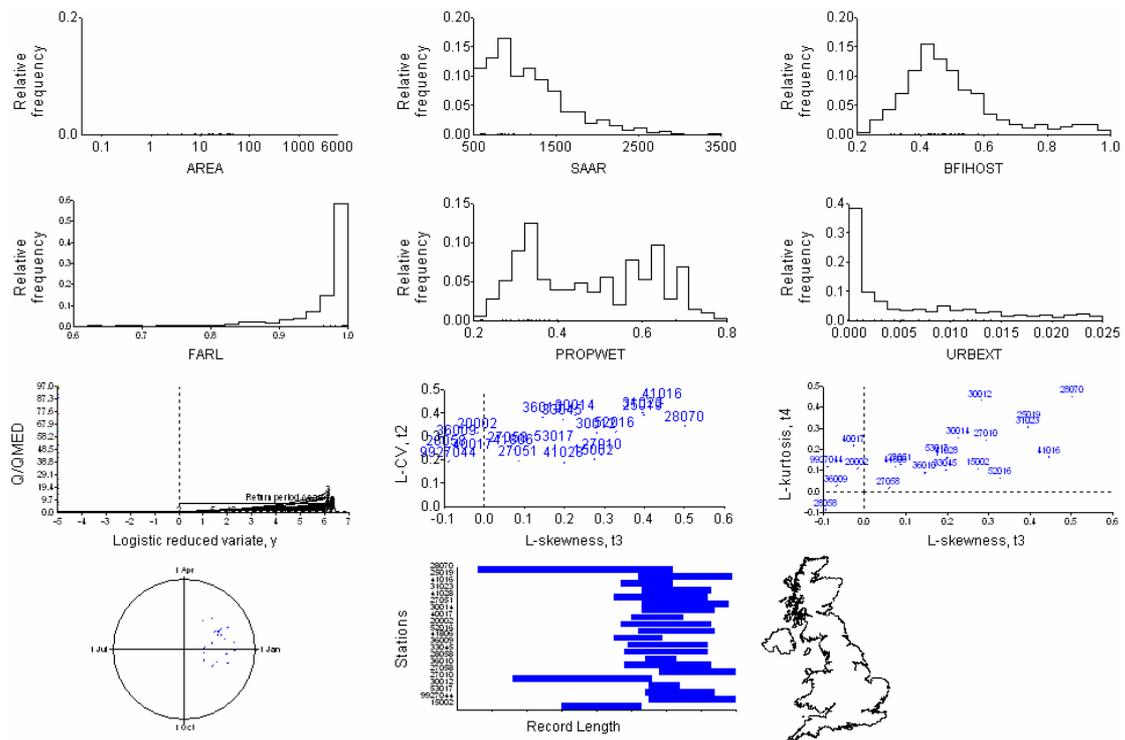
### Appendix C.4 – Quarry Beck Pooling Group

|    | Station                                 | Years | L-CV  | L-Skewne | L-Kurtosis | Discordancy | Distance |
|----|---|-------|-------|----------|------------|-------------|----------|
| 1  | 41016 (Cuckmere @ Cowbeech)             | 15    | 0.442 | 0.445    | 0.166      | 2.303       | 0.000    |
| 2  | 40017 (Dudwell @ Burwash)               | 17    | 0.225 | -0.028   | 0.221      | 1.341       | 0.000    |
| 3  | 41028 (Chess Stream @ Chess Bridge)     | 27    | 0.190 | 0.199    | 0.161      | 0.974       | 0.000    |
| 4  | 25019 (Leven @ Easby)                   | 27    | 0.391 | 0.398    | 0.333      | 1.192       | 0.000    |
| 5  | 28058 (Henmore Brook @ Ashbourne)       | 9     | 0.241 | -0.096   | -0.086     | 1.309       | 0.000    |
| 6  | 28070 (Burbage Brook @ Burbage)         | 56    | 0.344 | 0.502    | 0.452      | 1.800       | 0.000    |
| 7  | 27058 (Riccald @ Crook House Farm)      | 24    | 0.255 | 0.059    | 0.019      | 0.545       | 0.000    |
| 8  | 53017 (Boyd @ Bitton)                   | 21    | 0.261 | 0.175    | 0.177      | 0.039       | 0.000    |
| 9  | 41022 (Lod @ Halfway Bridge)            | 21    | 0.263 | 0.238    | 0.201      | 0.182       | 0.000    |
| 10 | 20002 (West Peffer Burn @ Luffness)     | 26    | 0.316 | -0.018   | 0.111      | 0.999       | 0.000    |
| 11 | 27042 (Dove @ Kirkby Mills)             | 29    | 0.272 | 0.074    | 0.068      | 0.201       | 0.000    |
| 12 | 41020 (Bevern Stream @ Clappers Bridge) | 13    | 0.137 | 0.019    | 0.205      | 1.262       | 0.000    |
| 13 | 9927044 (472550 447500 se 72550 47500)  | 27    | 0.193 | -0.091   | 0.119      | 0.986       | 0.000    |
| 14 | 41807 (Bevern Stream @ East Chiltoning) | 12    | 0.229 | 0.269    | 0.135      | 1.275       | 0.000    |
| 15 | 36009 (Brett @ Cockfield)               | 25    | 0.284 | -0.069   | 0.029      | 0.790       | 0.000    |
| 16 | 68015 (Goway @ Huxley)                  | 26    | 0.266 | 0.167    | 0.206      | 0.041       | 0.000    |
| 17 | 27010 (Hodge Beck @ Bransdale Weir)     | 41    | 0.224 | 0.293    | 0.246      | 0.758       | 0.000    |
| 18 | 27054 (Hodge Beck @ Cherry Farm)        | 24    | 0.194 | 0.220    | 0.248      | 0.723       | 0.000    |
| 19 | 20006 (Biel Water @ Belton House)       | 20    | 0.381 | 0.076    | 0.002      | 1.316       | 0.000    |
| 20 | 36010 (Bumpstead Brook @ Broad Green)   | 27    | 0.383 | 0.145    | 0.091      | 0.876       | 0.000    |
| 21 | 30012 (Stainfield Beck @ Stainfield)    | 10    | 0.315 | 0.281    | 0.435      | 2.090       | 0.000    |
| 22 |   |       |       |          |            |             |          |
| 23 | Total                                   | 497   |       |          |            |             |          |
| 24 | Weighted means                          |       | 0.285 | 0.210    | 0.208      |             |          |

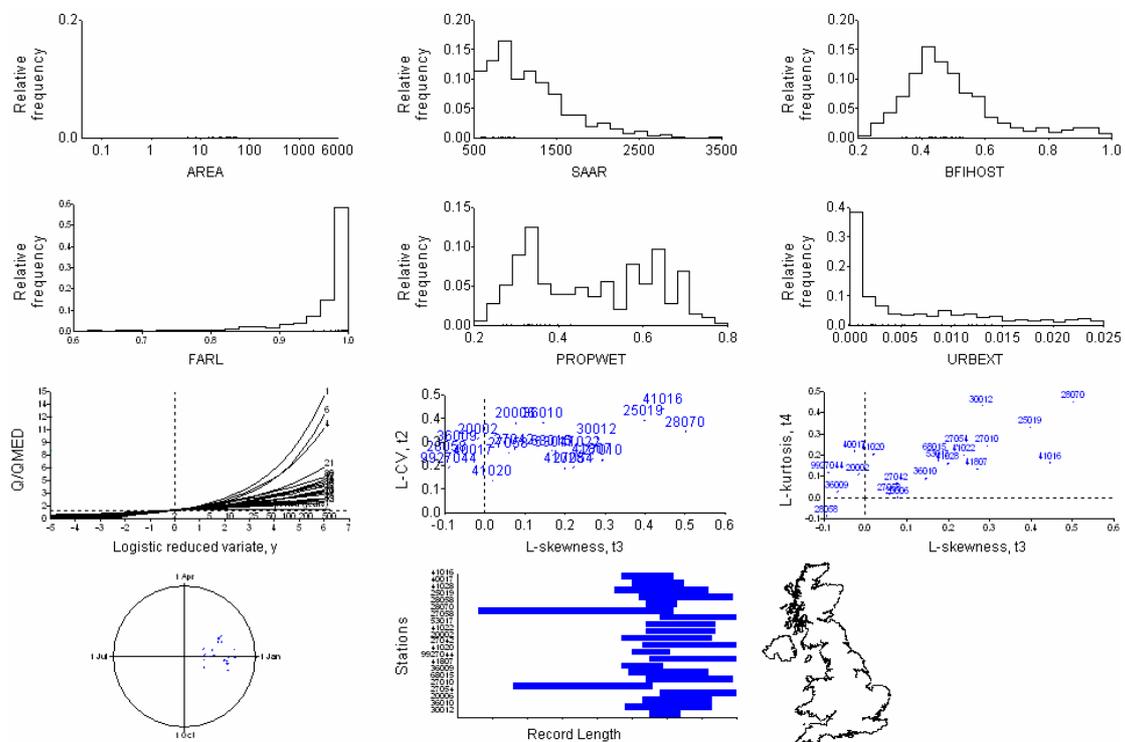
### Appendix C.5 – All Burniston Beck Diagnostic Plots



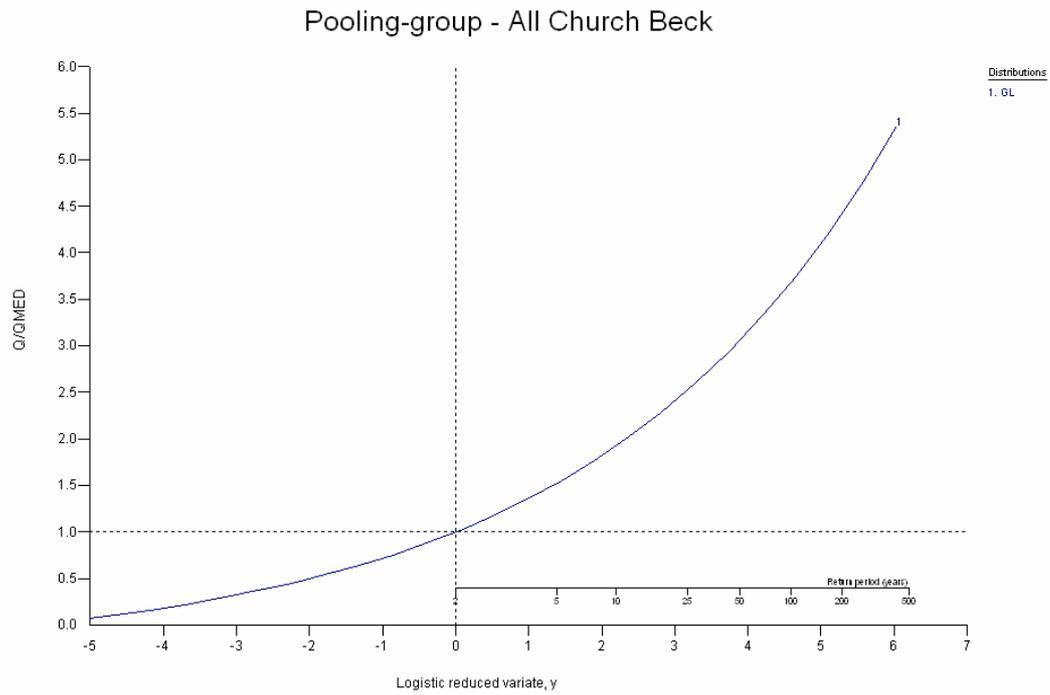
Appendix C. 6 – Cloughton Beck Diagnostic Plots



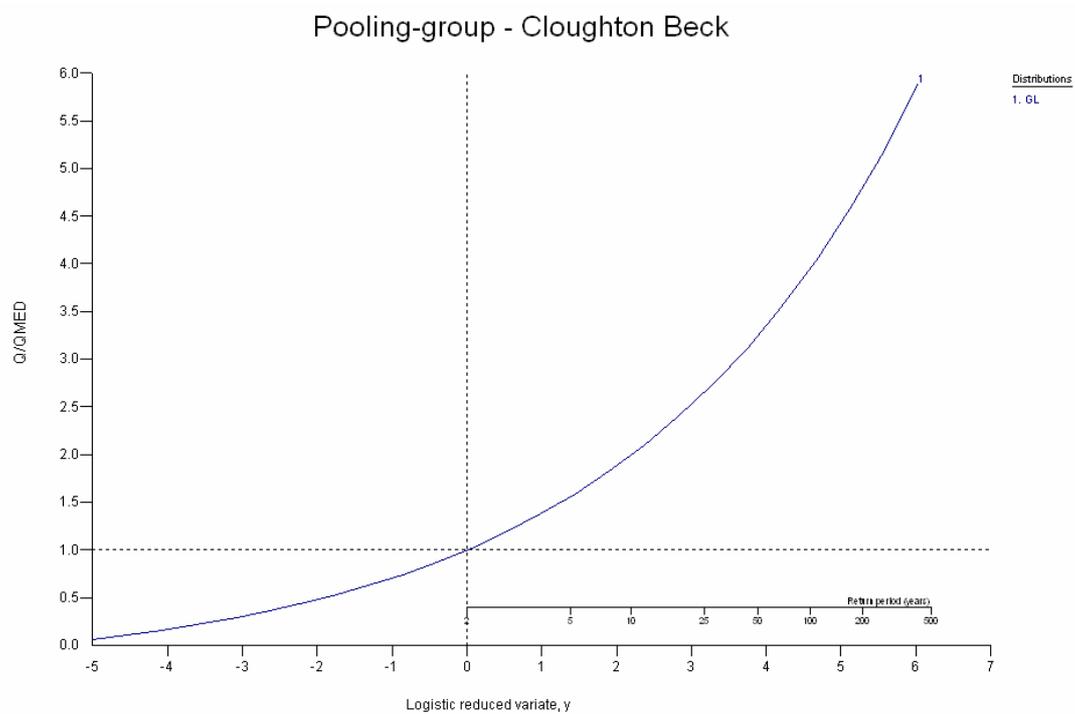
Appendix C. 7 – Quarry Beck Diagnostic Plots



### Appendix C.8 – All Burniston Beck Pooling Group



### Appendix C.9 – Cloughton Beck Pooling Group



Appendix C.10 – Quarry Beck Pooling Group

