

Low Flow Summer (m³/s)

| Watershed | Drainage Area (km ²) | 7Q2 | 7Q5 | 7Q10 | 7Q20 | 7Q50 | 7Q100 | 7Q200 | 7Q500 |
|-------------------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| W1 Nougha Creek at Lake | 209 | 1.2011 | 0.9184 | 0.8149 | 0.7623 | 0.7016 | 0.6678 | 0.6678 | 0.6324 |
| W8 Campbell Creek | 7.2 | 0.0334 | 0.0243 | 0.0212 | 0.0196 | 0.0180 | 0.0171 | 0.0171 | 0.0162 |
| W9 Wolverine Creek | 1.7 | 0.0072 | 0.0051 | 0.0044 | 0.0041 | 0.0037 | 0.0036 | 0.0036 | 0.0034 |
| W11 Money above Go | 194 | 1.1096 | 0.8476 | 0.7518 | 0.7030 | 0.6470 | 0.6158 | 0.6158 | 0.5832 |
| W12 Go above Pup | 36.5 | 0.1879 | 0.1400 | 0.1231 | 0.1145 | 0.1051 | 0.1001 | 0.1001 | 0.0949 |
| W13 Pup above Go | 7 | 0.0325 | 0.0236 | 0.0206 | 0.0190 | 0.0174 | 0.0166 | 0.0166 | 0.0158 |
| W14 Money below Go | 238 | 1.3790 | 1.0565 | 0.9381 | 0.8778 | 0.8081 | 0.7692 | 0.7692 | 0.7283 |
| W15 Hawkowl above Go | 9.8 | 0.0464 | 0.0339 | 0.0296 | 0.0274 | 0.0251 | 0.0239 | 0.0239 | 0.0227 |
| W16 Go above Hawkowl | 10.2 | 0.0484 | 0.0354 | 0.0309 | 0.0287 | 0.0263 | 0.0250 | 0.0250 | 0.0237 |
| W18 Upper Go | 3.5 | 0.0155 | 0.0112 | 0.0097 | 0.0090 | 0.0082 | 0.0078 | 0.0078 | 0.0074 |
| W19 Upper Hawkowl | 6.5 | 0.0300 | 0.0218 | 0.0190 | 0.0176 | 0.0161 | 0.0153 | 0.0153 | 0.0145 |
| W21 Nougha @ Highway | 287 | 1.6827 | 1.2927 | 1.1490 | 1.0758 | 0.9906 | 0.9429 | 0.9429 | 0.8927 |
| W22 Money above Highway | 425 | 2.5544 | 1.9737 | 1.7580 | 1.6480 | 1.5184 | 1.4452 | 1.4452 | 1.3680 |
| W23 Money above Dollar | 163 | 0.9221 | 0.7026 | 0.6226 | 0.5819 | 0.5353 | 0.5096 | 0.5096 | 0.4826 |
| W31 Go at Airstrip | 4.7 | 0.0212 | 0.0154 | 0.0134 | 0.0124 | 0.0113 | 0.0108 | 0.0108 | 0.0102 |
| W40 Money below Highway | 426 | 2.5608 | 1.9787 | 1.7624 | 1.6522 | 1.5223 | 1.4489 | 1.4489 | 1.3715 |
| W44 below tailings dam | 1.05 | 0.0043 | 0.0031 | 0.0026 | 0.0024 | 0.0022 | 0.0021 | 0.0021 | 0.0020 |
| W80 compliance point | 30.75 | 0.1566 | 0.1164 | 0.1022 | 0.0951 | 0.0872 | 0.0831 | 0.0831 | 0.0787 |
| w81 discharge point | 21.1 | 0.1049 | 0.0776 | 0.0680 | 0.0631 | 0.0579 | 0.0551 | 0.0551 | 0.0523 |
| bunker | 54.5 | 0.2877 | 0.2157 | 0.1900 | 0.1770 | 0.1626 | 0.1548 | 0.1548 | 0.1467 |

Low Flow Winter (m³/s)

| Watershed | Drainage Area (km ²) | 7Q2 | 7Q5 | 7Q10 | 7Q20 | 7Q50 | 7Q100 | 7Q200 | 7Q500 |
|-------------------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| W1 Nougha Creek at Lake | 209 | 0.2433 | 0.1212 | 0.1011 | 0.0598 | 0.0546 | 0.0504 | 0.0459 | 0.0389 |
| W8 Campbell Creek | 7.2 | 0.0061 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W9 Wolverine Creek | 1.7 | 0.0013 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W11 Money above Go | 194 | 0.2242 | 0.1109 | 0.0916 | 0.0538 | 0.0492 | 0.0455 | 0.0415 | 0.0352 |
| W12 Go above Pup | 36.5 | 0.0360 | 0.0150 | 0.0102 | 0.0050 | 0.0047 | 0.0045 | 0.0042 | 0.0037 |
| W13 Pup above Go | 7 | 0.0059 | 0.0021 | 0.0012 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W14 Money below Go | 238 | 0.2805 | 0.1417 | 0.1199 | 0.0720 | 0.0655 | 0.0604 | 0.0549 | 0.0463 |
| W15 Hawkowl above Go | 9.8 | 0.0085 | 0.0031 | 0.0018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W16 Go above Hawkowl | 10.2 | 0.0089 | 0.0032 | 0.0019 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W18 Upper Go | 3.5 | 0.0028 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W19 Upper Hawkowl | 6.5 | 0.0054 | 0.0019 | 0.0011 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W21 Nougha @ Highway | 287 | 0.3443 | 0.1773 | 0.1533 | 0.0939 | 0.0852 | 0.0784 | 0.0710 | 0.0595 |
| W22 Money above Highway | 425 | 0.5293 | 0.2840 | 0.2569 | 0.1641 | 0.1480 | 0.1352 | 0.1217 | 0.1008 |
| W23 Money above Dollar | 163 | 0.1853 | 0.0900 | 0.0729 | 0.0420 | 0.0385 | 0.0357 | 0.0327 | 0.0279 |
| W31 Go at Airstrip | 4.7 | 0.0038 | 0.0013 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W40 Money below Highway | 426 | 0.5307 | 0.2848 | 0.2577 | 0.1647 | 0.1485 | 0.1357 | 0.1221 | 0.1012 |
| W44 below tailings dam | 1.05 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| W80 compliance point | 30.75 | 0.0298 | 0.0122 | 0.0081 | 0.0039 | 0.0037 | 0.0035 | 0.0033 | 0.0030 |
| w81 discharge point | 21.1 | 0.0197 | 0.0077 | 0.0050 | 0.0023 | 0.0022 | 0.0021 | 0.0020 | 0.0018 |
| bunker | 54.5 | 0.0558 | 0.0242 | 0.0173 | 0.0088 | 0.0083 | 0.0078 | 0.0073 | 0.0064 |

NB calculated flows of less than 0.001 m³/s (1 L/S) have been set to 0

Analysis - Regional Stations**WINTER LOW FLOW (Ice Conditions)**Low Flow Return Period (m³/s)

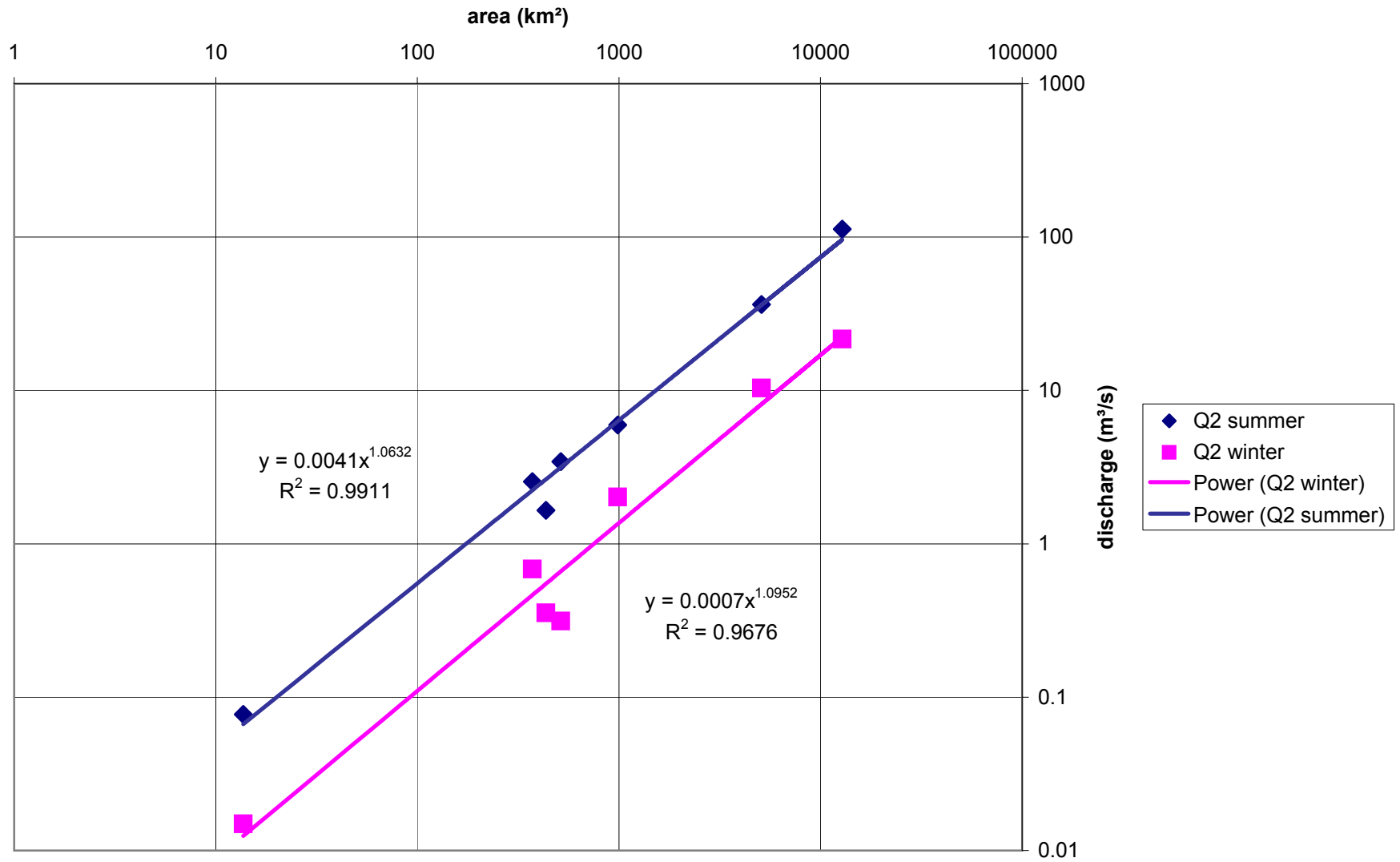
| Name | Watershed area | 2 | 5 | 10 | 20 | 50 | 100 | 200 | 500 |
|------------------|----------------|--------|--------|--------|-------|--------|--------|--------|--------|
| South Big Salmon | 515 | 0.314 | 0.187 | 0.143 | 0.118 | 0.0996 | 0.0916 | 0.0867 | 0.0829 |
| Sidney | 372 | 0.686 | 0.528 | 0.442 | 0.372 | 0.294 | 0.246 | 0.203 | 0.156 |
| King | 13.7 | 0.0149 | 0.0061 | 0.0024 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Tom | 435 | 0.355 | 0.246 | 0.194 | 0.154 | 0.116 | 0.0939 | 0.0766 | 0.0592 |
| Big | 986 | 2.016 | 1.594 | 1.343 | 1.12 | 0.856 | 0.676 | 0.509 | 0.307 |
| Rancheria | 5100 | 10.35 | 8.151 | 6.855 | 5.72 | 4.395 | 3.499 | 2.68 | 1.703 |
| Frances | 12800 | 21.59 | 18.63 | 17.22 | 16.17 | 15.14 | 14.55 | 14.1 | 13.64 |

NB 0.001 = 0 flow (less than 1 L/s)

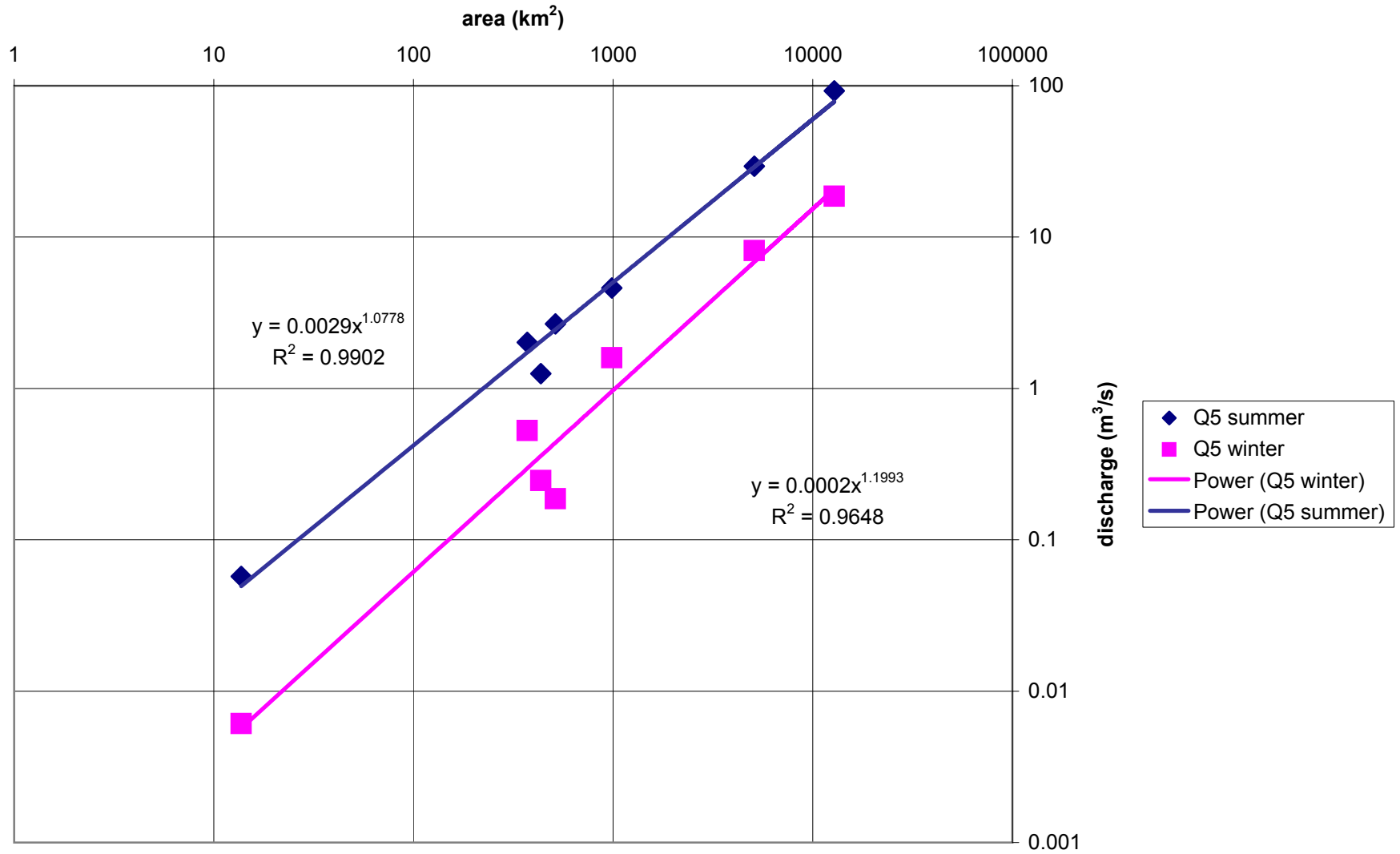
Analysis - Regional Stations**SUMMER LOW FLOW (No Ice Conditions)**Low Flow Return Period (m³/s)

| Name | Watershed area | 2 | 5 | 10 | 20 | 50 | 100 | 200 | 500 |
|------------------|----------------|--------|--------|-------|--------|-------|--------|--------|--------|
| South Big Salmon | 515 | 3.435 | 2.675 | 2.457 | 2.346 | 2.27 | 2.249 | 2.235 | 2.225 |
| Sidney | 372 | 2.545 | 2.02 | 1.831 | 1.718 | 1.632 | 1.593 | 1.569 | 1.549 |
| King | 13.7 | 0.0771 | 0.0573 | 0.05 | 0.0455 | 0.042 | 0.0405 | 0.0394 | 0.0386 |
| Tom | 435 | 1.653 | 1.251 | 1.074 | 0.949 | 0.835 | 0.775 | 0.73 | 0.688 |
| Big | 986 | 5.963 | 4.602 | 4.031 | 3.646 | 3.308 | 3.137 | 3.015 | 2.905 |
| Rancheria | 5100 | 36.34 | 29.4 | 26.57 | 24.7 | 23.11 | 22.32 | 21.76 | 21.28 |
| Frances | 12800 | 112.6 | 92.62 | 84.1 | 78.27 | 73.08 | 70.42 | 68.49 | 66.72 |

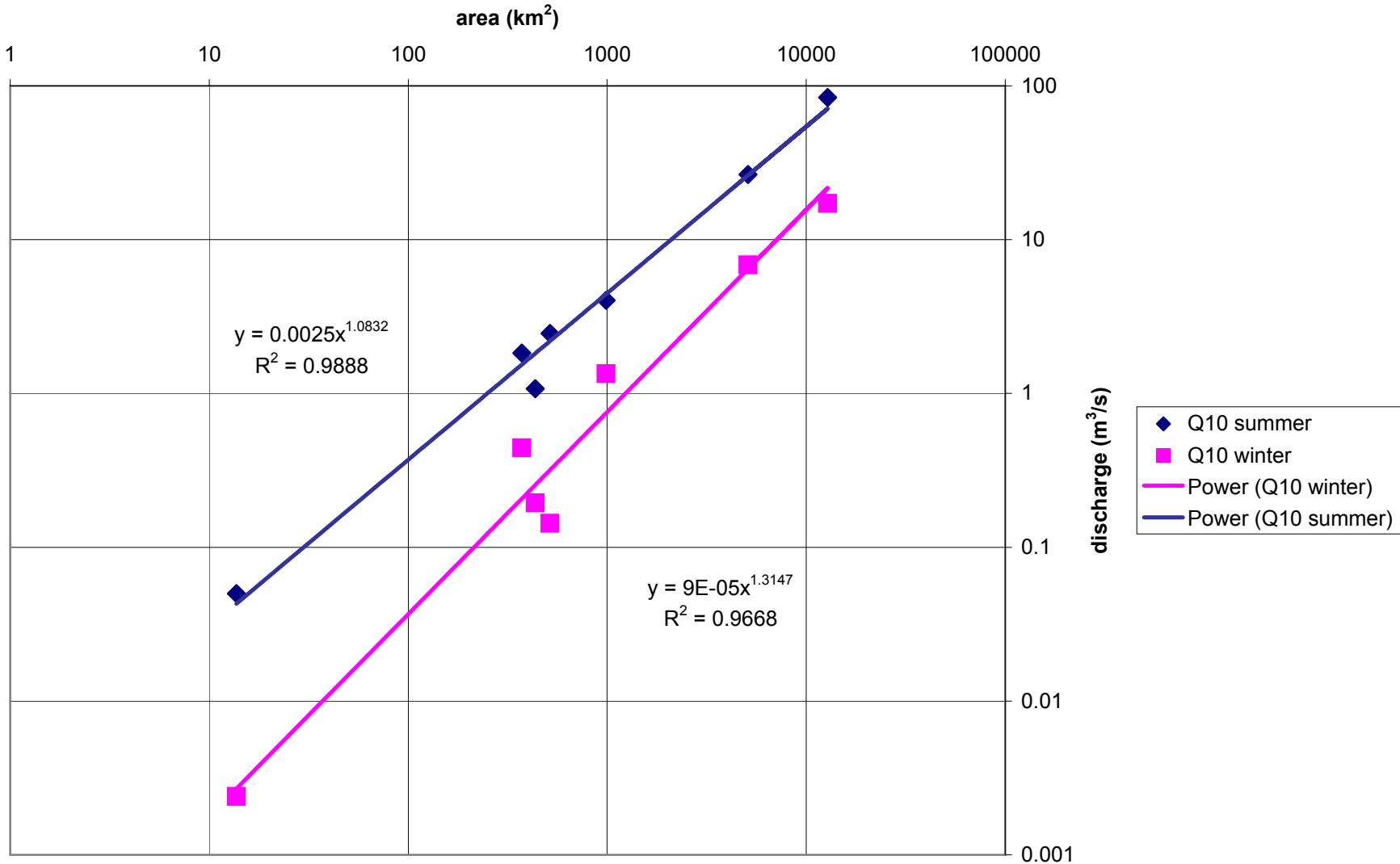
2-year Return Period (7Q2)



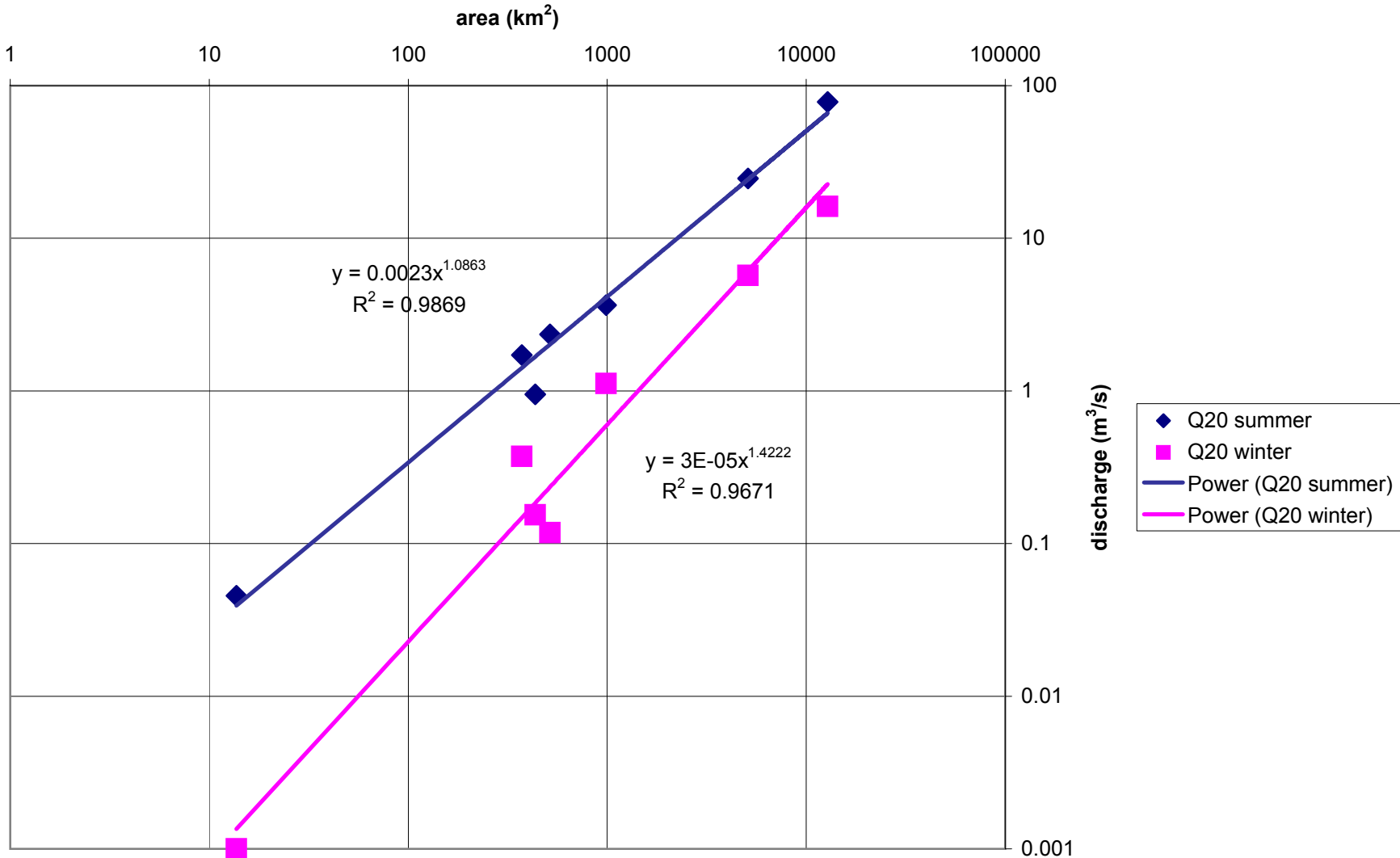
5-year Return Period (7Q5)



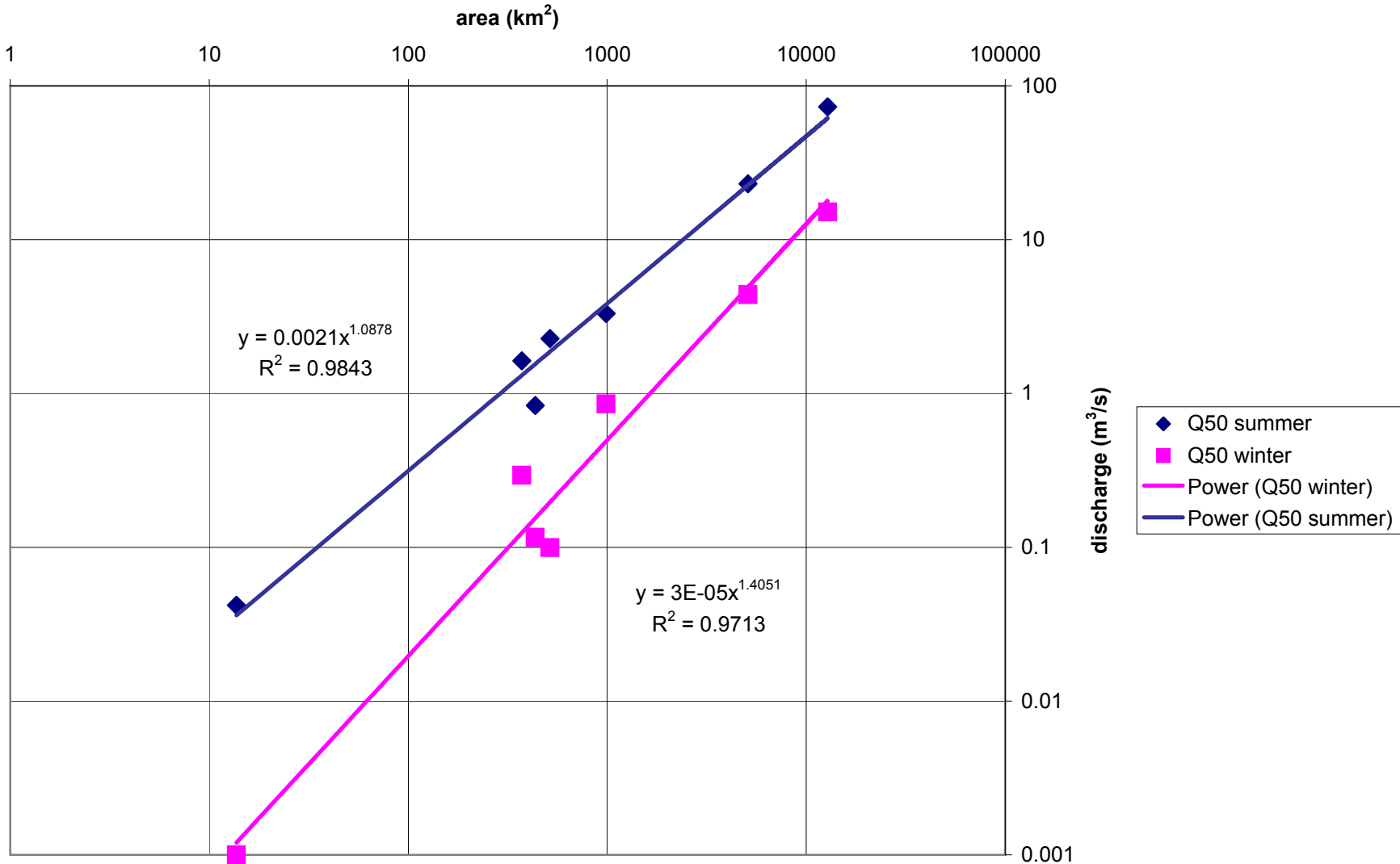
10-year Return Period (7Q10)



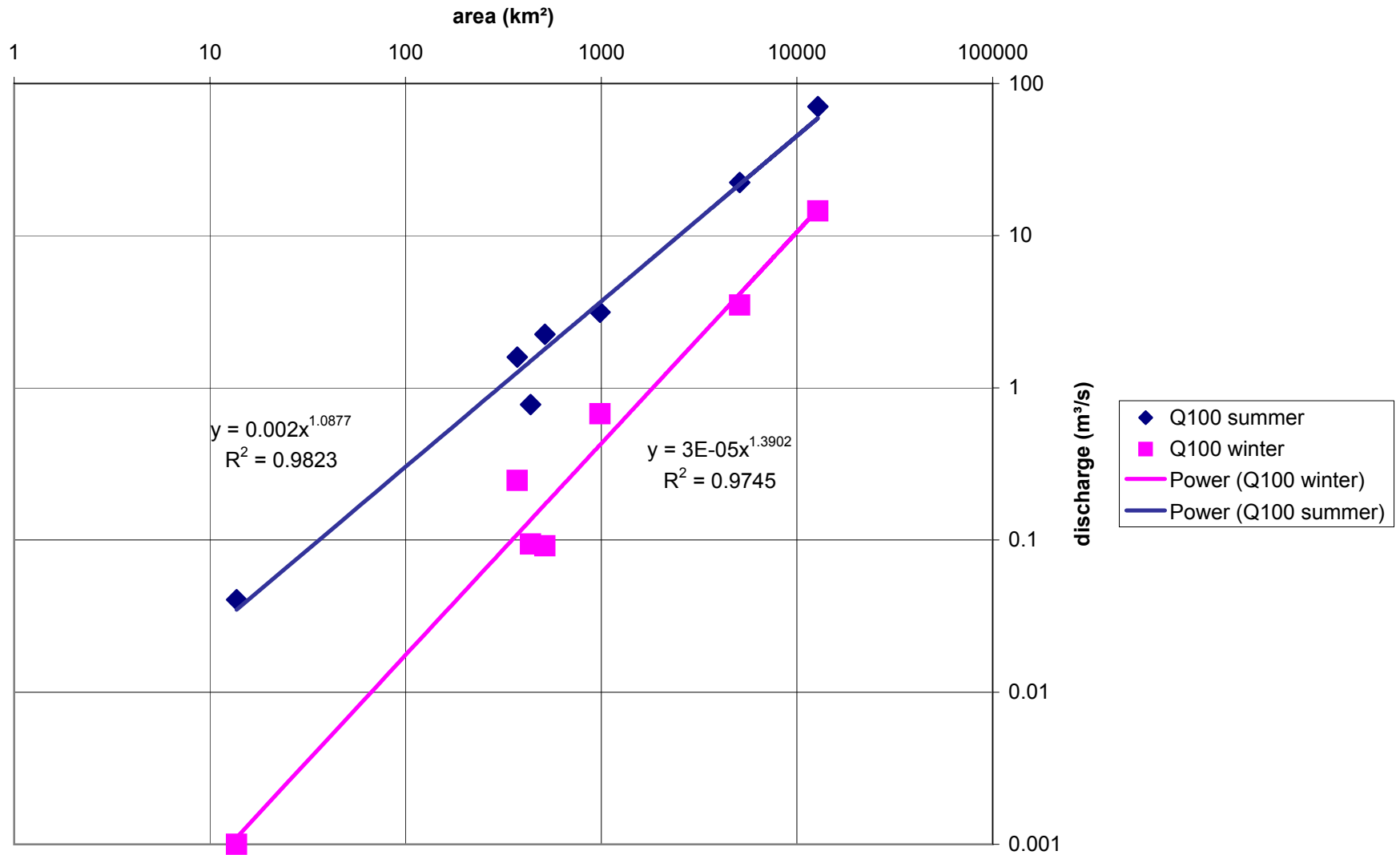
20-year Return Period (7Q20)



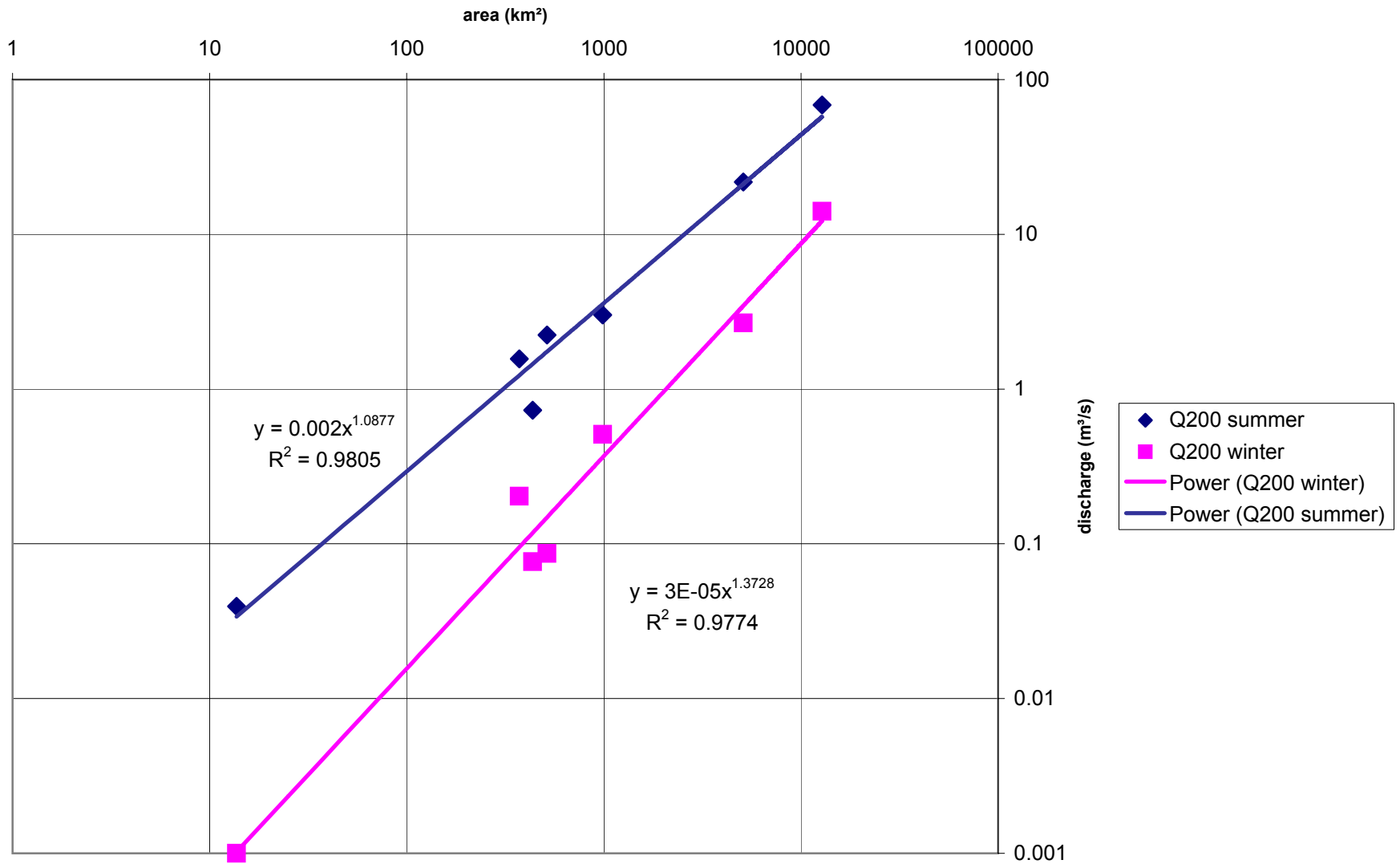
50-year Return Period (7Q50)



100-year Return Period (7Q100)



200-year Return Period (7Q200)



500-year Return Period (7Q500)

