

## APÊNDICE E

Quadro 1E – Equações de regionalização para  $Q_{mld}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método tradicional (T)

| Regiões | A_T                               | $P_{eq\_T}$                            |
|---------|-----------------------------------|----------------------------------------|
| 1       | $Q_{mld} = 0,027996 A^{0,949693}$ | $Q_{mld} = 0,454679 P_{eq}^{0,973144}$ |
| 2       | $Q_{mld} = 0,010302 A^{1,046104}$ | $Q_{mld} = 0,26055 P_{eq}^{1,042028}$  |
| 3       | $Q_{mld} = 0,015098 A^{1,016451}$ | $Q_{mld} = 0,324716 P_{eq}^{1,0281}$   |
| 4       | $Q_{mld} = 0,009744 A^{1,035441}$ | $Q_{mld} = 0,296324 P_{eq}^{1,016435}$ |
| 5       | $Q_{mld} = 0,013845 A^{1,023052}$ | $Q_{mld} = 0,50361 P_{eq}^{0,929924}$  |
| 6       | $Q_{mld} = 0,023256 A^{0,936851}$ | $Q_{mld} = 0,414792 P_{eq}^{0,9416}$   |
| 7       | $Q_{mld} = 0,016189 A^{0,976887}$ | $Q_{mld} = 0,357318 P_{eq}^{0,974892}$ |
| 8       | $Q_{mld} = 0,024815 A^{0,922263}$ | $Q_{mld} = 0,435303 P_{eq}^{0,933112}$ |
| 9       | $Q_{mld} = 0,016789 A^{0,957588}$ | $Q_{mld} = 0,386132 P_{eq}^{0,950561}$ |
| 10      | $Q_{mld} = 0,000426 A^{1,346845}$ | $Q_{mld} = 0,05461 P_{eq}^{1,304037}$  |
| 11      | $Q_{mld} = 0,025376 A^{0,880451}$ | $Q_{mld} = 0,512583 P_{eq}^{0,883475}$ |
| 12      | $Q_{mld} = 0,009011 A^{0,949019}$ | $Q_{mld} = 0,125301 P_{eq}^{1,029438}$ |
| 13      | $Q_{mld} = 0,032295 A^{0,822939}$ | $Q_{mld} = 0,403311 P_{eq}^{0,853822}$ |
| 14      | -                                 | -                                      |
| 15      | $Q_{mld} = 0,000098 A^{1,243624}$ | $Q_{mld} = 0,017581 P_{eq}^{1,171984}$ |
| 16      | $Q_{mld} = 1,76414 A^{0,573}$     | $Q_{mld} = 1,97757 P_{eq}^{0,766}$     |

Quadro 2E – Equações de regionalização para  $Q_{mld}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método tradicional (T)

| Regiões | $P_{eq700\_T}$                                | $P_{eq750\_T}$                            |
|---------|-----------------------------------------------|-------------------------------------------|
| 1       | $Q_{mld} = 0,0811833 P_{eq700}^{0,978922}$    | $Q_{mld} = 0,894627 P_{eq750}^{0,971246}$ |
| 2       | $Q_{mld} = 0,538312 P_{eq700}^{1,046104}$     | $Q_{mld} = 0,585266 P_{eq750}^{1,025984}$ |
| 3       | $Q_{mld} = 0,58526 P_{eq700}^{1,049151}$      | $Q_{mld} = 0,686885 P_{eq750}^{1,022684}$ |
| 4       | $Q_{mld} = 0,784003 P_{eq700}^{0,985354}$     | $Q_{mld} = 0,894461 P_{eq750}^{0,976971}$ |
| 5       | $Q_{mld} = 1,006889 P_{eq700}^{0,911246}$     | $Q_{mld} = 1,086653 P_{eq750}^{0,908002}$ |
| 6       | $Q_{mld} = 0,772373 P_{eq700}^{0,945772}$     | $Q_{mld} = 0,91151 P_{eq750}^{0,943225}$  |
| 7       | $Q_{mld} = 0,741256 P_{eq700}^{0,971996}$     | $Q_{mld} = 0,826476 P_{eq750}^{0,945929}$ |
| 8       | $Q_{mld} = 0,84701 P_{eq700}^{0,941862}$      | $Q_{mld} = 0,809622 P_{eq750}^{0,969921}$ |
| 9       | $Q_{mld} = 0,852271 P_{eq700}^{0,94556}$      | $Q_{mld} = 0,936511 P_{eq750}^{0,945487}$ |
| 10      | $Q_{mld} = 0,382135 P_{eq700}^{1,202164}$     | $Q_{mld} = 0,520535 P_{eq750}^{1,176477}$ |
| 11      | $Q_{mld} = 25,53924 e^{(P_{eq700} 0,006195)}$ | $Q_{mld} = 1,615695 P_{eq750}^{0,890785}$ |
| 12      | $Q_{mld} = 0,225721 P_{eq700}^{1,099027}$     | $Q_{mld} = 0,249026 P_{eq750}^{1,10474}$  |
| 13      | $Q_{mld} = 0,682039 P_{eq700}^{0,903928}$     | $Q_{mld} = 0,715489 P_{eq750}^{0,914852}$ |
| 14      | $Q_{mld} = 1,638569 P_{eq700}^{0,557448}$     | $Q_{mld} = 3,552724 P_{eq750}^{0,38557}$  |
| 15      | -                                             | -                                         |
| 16      | $Q_{mld} = 1,2668 P_{eq700}^{0,9088}$         | $Q_{mld} = 1,2828 P_{eq750}^{0,9191}$     |

Quadro 3E – Equações de regionalização para  $Q_{mld}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Bacia                          | Rios                          | A_M                               | $P_{eq\_M}$                              |
|--------------------------------|-------------------------------|-----------------------------------|------------------------------------------|
| Calha do SF                    | Montante Sobradinho           | $Q_{mld} = 1,76414 A^{0,573}$     | $Q_{mld} = 1,97757 P_{eq}^{0,766}$       |
| Marmelada                      | Marmelada                     | $Q_{mld} = 0,12299 A^{0,669}$     | $Q_{mld} = 0,72912 P_{eq}^{0,753}$       |
| Jorge Grande/<br>Mateus Grande | Jorge Grande/ Mateus Grande   | $Q_{mld} = 0,00112 A^{1,425}$     | $Q_{mld} = 1,17761 P_{eq}^{0,654}$       |
| BambuÍ                         | BambuÍ/ Perdição              | $Q_{mld} = 0,01841 A^{1,028}$     | $Q_{mld} = 0,46739 P_{eq}^{0,959}$       |
| São Miguel                     | São Miguel                    | $Q_{mld} = 0,00126 A^{1,471}$     | $Q_{mld} = 0,31311 P_{eq}^{1,086}$       |
| Ajudas                         | Ajudas                        | $Q_{mld} = 0,00784 A^{1,216}$     | $Q_{mld} = 0,51485 P_{eq}^{0,973}$       |
| Samburá                        | Samburá                       | $Q_{mld} = 0,00147 A^{1,451}$     | $Q_{mld} = 0,35623 P_{eq}^{1,092}$       |
|                                | Sto Antônio                   | $Q_{mld} = 0,06356 e^{(0,008 A)}$ | $Q_{mld} = 0,39284 P_{eq}^{1,099}$       |
| IndaÍa                         | IndaÍa                        | $Q_{mld} = 0,95893 A^{0,424}$     | $Q_{mld} = 1,70464 P_{eq}^{0,607}$       |
| Borrachudo                     | Borrachudo                    | $Q_{mld} = 1,99724 A^{0,289}$     | $Q_{mld} = 1,99465 P_{eq}^{0,521}$       |
| Dos Tiros                      | Dos Tiros                     | $Q_{mld} = 1,9985 A^{0,385}$      | $Q_{mld} = 1,99514 P_{eq}^{0,622}$       |
|                                | Rib. Areado                   | $Q_{mld} = 1,99416 A^{0,228}$     | $Q_{mld} = 1,99353 P_{eq}^{0,303}$       |
|                                | Pará                          | $Q_{mld} = 0,03423 A^{0,91}$      | $Q_{mld} = 0,42889 P_{eq}^{0,946}$       |
|                                | Itapecerica (Rib. Boa Vista)  | $Q_{mld} = 0,01589 A^{0,992}$     | $Q_{mld} = 0,54782 P_{eq}^{0,874}$       |
|                                | Lambari                       | $Q_{mld} = 1,98569 A^{0,344}$     | $Q_{mld} = 1,99563 P_{eq}^{0,571}$       |
|                                | Picão                         | $Q_{mld} = 0,00175 A^{1,298}$     | $Q_{mld} = 0,58604 P_{eq}^{0,803}$       |
|                                | São João                      | $Q_{mld} = 0,01239 A^{1,018}$     | $Q_{mld} = 0,26908 P_{eq}^{1,019}$       |
|                                | Paraopeba                     | $Q_{mld} = 0,1113 A^{0,761}$      | $Q_{mld} = 0,98014 P_{eq}^{0,797}$       |
|                                | Mateus Leme                   | $Q_{mld} = 0,03276 A^{0,819}$     | $Q_{mld} = 0,36134 P_{eq}^{0,881}$       |
|                                | Serra Azul                    | $Q_{mld} = 0,03857 A^{0,753}$     | $Q_{mld} = 0,36127 P_{eq}^{0,833}$       |
|                                | Brumado/ Camapuã              | $Q_{mld} = 0,84112 A^{0,412}$     | $Q_{mld} = 1,99402 P_{eq}^{0,529}$       |
|                                | Velhas                        | $Q_{mld} = 0,61789 A^{0,579}$     | $Q_{mld} = 1,99031 P_{eq}^{0,689}$       |
|                                | Bicudo                        | $Q_{mld} = 1,99801 A^{0,227}$     | $Q_{mld} = 1,99941 P_{eq}^{0,43}$        |
|                                | CurimataÍ                     | $Q_{mld} = 1,99311 A^{0,225}$     | $Q_{mld} = 1,99731 P_{eq}^{0,412}$       |
|                                | Picão                         | $Q_{mld} = 0,00231 A^{1,166}$     | $Q_{mld} = 0,10332 P_{eq}^{1,188}$       |
|                                | Paraúna (Parauninha)          | $Q_{mld} = 1,99633 A^{0,319}$     | $Q_{mld} = 1,99066 P_{eq}^{0,548}$       |
|                                | Jequitibá                     | $Q_{mld} = 0,26845 A^{0,469}$     | $Q_{mld} = 0,89502 P_{eq}^{0,585}$       |
|                                | Jabuticatubas                 | $Q_{mld} = 1,99297 A^{0,16}$      | $Q_{mld} = 1,99731 P_{eq}^{0,35}$        |
|                                | Mata                          | $Q_{mld} = 0,08687 A^{0,707}$     | $Q_{mld} = 0,53382 P_{eq}^{0,828}$       |
|                                | Taquaraçu                     | $Q_{mld} = 1,99759 A^{0,214}$     | $Q_{mld} = 1,99416 P_{eq}^{0,435}$       |
|                                | Itabirito                     | $Q_{mld} = 0,00112 A^{1,564}$     | $Q_{mld} = 1,99794 P_{eq}^{0,533}$       |
| Verde Grande                   | Verde Grande                  | $Q_{mld} = 0,00203 A^{1,093}$     | $Q_{mld} = 0,17087 e^{(P_{eq}^{0,008})}$ |
| JequitaÍ                       | JequitaÍ                      | $Q_{mld} = 0,00609 A^{1,024}$     | $Q_{mld} = 0,21371 P_{eq}^{1,002}$       |
| PacuÍ                          | PacuÍ                         | $Q_{mld} = 0,00105 A^{1,233}$     | $Q_{mld} = 0,04648 P_{eq}^{1,31}$        |
|                                | Paracatu                      | $Q_{mld} = 1,99122 A^{0,468}$     | $Q_{mld} = 1,99115 P_{eq}^{0,697}$       |
|                                | Preto                         | $Q_{mld} = 1,99591 A^{0,338}$     | $Q_{mld} = 1,99374 P_{eq}^{0,594}$       |
|                                | Salobro/ Cana Brava           | $Q_{mld} = 1,98772 A^{0,015}$     | $Q_{mld} = 1,99696 P_{eq}^{0,258}$       |
|                                | Roncador                      | $Q_{mld} = 0,74396 e^{(0,001 A)}$ | $Q_{mld} = 1,9985 P_{eq}^{0,186}$        |
|                                | Entre-ribeiros/ Barra da Égua | $Q_{mld} = 1,98513 A^{0,283}$     | $Q_{mld} = 1,27526 P_{eq}^{0,623}$       |
|                                | São Pedro                     | $Q_{mld} = 1,99535 A^{0,08}$      | $Q_{mld} = 1,99941 P_{eq}^{0,379}$       |
|                                | Rio do Sono                   | $Q_{mld} = 1,99367 A^{0,265}$     | $Q_{mld} = 1,99836 P_{eq}^{0,523}$       |
|                                | Sto Antônio                   | $Q_{mld} = 1,75371 A^{0,126}$     | $Q_{mld} = 1,08787 P_{eq}^{0,527}$       |
|                                | Escuro                        | $Q_{mld} = 0,2226 A^{0,626}$      | $Q_{mld} = 0,90867 P_{eq}^{0,766}$       |
|                                | Escurinho                     | $Q_{mld} = 1,99115 A^{0,255}$     | $Q_{mld} = 1,9929 P_{eq}^{0,507}$        |
|                                | Sta Isabel                    | $Q_{mld} = 0,69622 e^{(0,001 A)}$ | $Q_{mld} = 1,99633 P_{eq}^{0,113}$       |

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Quadro 3E – Cont.

|            |                   |                                   |                                        |
|------------|-------------------|-----------------------------------|----------------------------------------|
|            | Urucua            | $Q_{mld} = 1,99143 A^{0,427}$     | $Q_{mld} = 1,99276 P_{eq}^{0,661}$     |
| Urucua     | Conceição         | $Q_{mld} = 1,98702 A^{0,184}$     | $Q_{mld} = 1,99318 P_{eq}^{0,431}$     |
|            | São Domingos      | $Q_{mld} = 1,9999 A^{0,294}$      | $Q_{mld} = 1,9971 P_{eq}^{0,548}$      |
| Pandeiros  | Pandeiros         | $Q_{mld} = 1,99738 A^{0,296}$     | $Q_{mld} = 1,9943 P_{eq}^{0,517}$      |
| Japoré     | Japoré            | $Q_{mld} = 0,00063 A^{1,279}$     | $Q_{mld} = 0,05019 P_{eq}^{1,322}$     |
|            | Carinhanha        | $Q_{mld} = 1,99164 A^{0,386}$     | $Q_{mld} = 1,98835 P_{eq}^{0,618}$     |
| Carinhanha | Itaguari          | $Q_{mld} = 1,9761 A^{0,255}$      | $Q_{mld} = 1,99479 P_{eq}^{0,501}$     |
|            | Coxá              | $Q_{mld} = 1,9852 A^{0,153}$      | $Q_{mld} = 1,99899 P_{eq}^{0,379}$     |
|            | Corrente          | $Q_{mld} = 0,38374 A^{0,579}$     | $Q_{mld} = 0,79359 P_{eq}^{0,783}$     |
| Corrente   | Formoso           | $Q_{mld} = 1,99696 A^{0,299}$     | $Q_{mld} = 1,99318 P_{eq}^{0,545}$     |
|            | Arrojado          | $Q_{mld} = 1,98849 A^{0,282}$     | $Q_{mld} = 1,99745 P_{eq}^{0,523}$     |
|            | Éguas/ Correntina | $Q_{mld} = 1,99227 A^{0,264}$     | $Q_{mld} = 1,99346 P_{eq}^{0,499}$     |
|            | Grande            | $Q_{mld} = 0,07693 A^{0,741}$     | $Q_{mld} = 0,0546 P_{eq}^{1,14}$       |
|            | Preto             | $Q_{mld} = 1,9964 A^{0,376}$      | $Q_{mld} = 0,05747 P_{eq}^{1,166}$     |
|            | Sapão             | $Q_{mld} = 1,98884 A^{0,271}$     | $Q_{mld} = 0,21532 P_{eq}^{0,955}$     |
| Grande     | Branco            | $Q_{mld} = 1,999555 A^{0,313}$    | $Q_{mld} = 1,99178 P_{eq}^{0,572}$     |
|            | Rio de Janeiro    | $Q_{mld} = 1,99143 A^{0,148}$     | $Q_{mld} = 1,08423 P_{eq}^{0,566}$     |
|            | Rio das Ondas     | $Q_{mld} = 1,98478 A^{0,291}$     | $Q_{mld} = 1,99549 P_{eq}^{0,536}$     |
|            | Rio das Fêmeas    | $Q_{mld} = 1,98996 A^{0,334}$     | $Q_{mld} = 1,99633 P_{eq}^{0,521}$     |
|            | Rio São Desidério | $Q_{mld} = 0,22519 e^{(0,001 A)}$ | $Q_{mld} = 0,02751 e^{(P_{eq} 0,046)}$ |
| Paramirim  | Paramirim         | $Q_{mld} = 0,00007 A^{1,425}$     | $Q_{mld} = 0,12026 e^{(P_{eq} 0,016)}$ |
| Verde      | Verde             | $Q_{mld} = 0,00007 A^{1,432}$     | $Q_{mld} = 0,04928 e^{(P_{eq} 0,029)}$ |
| Jacaré     | Jacaré            | $Q_{mld} = 0,00371 A^{1,003}$     | $Q_{mld} = 0,20888 e^{(P_{eq} 0,015)}$ |

Quadro 4E – Equações de regionalização para  $Q_{mld}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Bacia                      | Rios                         | $P_{eq700}$ -M                            | $P_{eq750}$ -M                            |
|----------------------------|------------------------------|-------------------------------------------|-------------------------------------------|
| Calha do SF                | Montante Sobradinho          | $Q_{mld} = 1,2668 P_{eq700}^{0,9088}$     | $Q_{mld} = 1,2828 P_{eq750}^{0,9191}$     |
| Marmelada                  | Marmelada                    | $Q_{mld} = 0,63861 P_{eq700}^{0,998}$     | $Q_{mld} = 1,29073 P_{eq750}^{0,793}$     |
| Jorge Grande/Mateus Grande | Jorge Grande/Mateus Grande   | $Q_{mld} = 0,88137 P_{eq700}^{0,913}$     | $Q_{mld} = 0,61481 P_{eq750}^{1,071}$     |
| BambuÍ                     | BambuÍ/Perdição              | $Q_{mld} = 0,63665 P_{eq700}^{1,028}$     | $Q_{mld} = 0,61278 P_{eq750}^{1,059}$     |
| São Miguel                 | São Miguel                   | $Q_{mld} = 0,87269 P_{eq700}^{0,93}$      | $Q_{mld} = 0,90069 P_{eq750}^{0,947}$     |
| Ajudas                     | Ajudas                       | $Q_{mld} = 1,01906 P_{eq700}^{0,906}$     | $Q_{mld} = 1,03082 P_{eq750}^{0,924}$     |
| Samburá                    | Samburá                      | $Q_{mld} = 1,07982 P_{eq700}^{0,928}$     | $Q_{mld} = 1,06071 P_{eq750}^{0,949}$     |
|                            | Sto Antônio                  | $Q_{mld} = 1,99647 P_{eq700}^{0,701}$     | $Q_{mld} = 1,995 P_{eq750}^{0,721}$       |
| Indaía                     | Indaía                       | $Q_{mld} = 1,01794 P_{eq700}^{0,878}$     | $Q_{mld} = 0,93275 P_{eq750}^{0,922}$     |
| Borrachudo                 | Borrachudo                   | $Q_{mld} = 1,99955 P_{eq700}^{0,673}$     | $Q_{mld} = 1,99934 P_{eq750}^{0,694}$     |
| Dos Tiros                  | Dos Tiros                    | $Q_{mld} = 1,99871 P_{eq700}^{0,753}$     | $Q_{mld} = 1,99549 P_{eq750}^{0,771}$     |
|                            | Rib. Areado                  | $Q_{mld} = 1,9992 P_{eq700}^{0,643}$      | $Q_{mld} = 1,99689 P_{eq750}^{0,667}$     |
|                            | Pará                         | $Q_{mld} = 0,40474 P_{eq700}^{1,085}$     | $Q_{mld} = 0,37597 P_{eq750}^{1,116}$     |
|                            | Itapecerica (Rib. Boa Vista) | $Q_{mld} = 0,49854 P_{eq700}^{1,065}$     | $Q_{mld} = 0,45115 P_{eq750}^{1,115}$     |
| Pará                       | Lambari                      | $Q_{mld} = 0,01603 P_{eq700}^{1,997}$     | $Q_{mld} = 0,99393 e^{(P_{eq750} 0,085)}$ |
|                            | Picão                        | $Q_{mld} = 0,25585 P_{eq700}^{1,356}$     | $Q_{mld} = 0,19208 P_{eq750}^{1,514}$     |
|                            | São João                     | $Q_{mld} = 0,17262 P_{eq700}^{1,373}$     | $Q_{mld} = 0,14882 P_{eq750}^{1,451}$     |
|                            | Paraopeba                    | $Q_{mld} = 1,0444 P_{eq700}^{0,909}$      | $Q_{mld} = 1,02319 P_{eq750}^{0,929}$     |
|                            | Mateus Leme                  | $Q_{mld} = 0,55839 P_{eq700}^{1,029}$     | $Q_{mld} = 0,59262 P_{eq750}^{1,047}$     |
| Paraopeba                  | Serra Azul                   | $Q_{mld} = 0,60851 P_{eq700}^{1,002}$     | $Q_{mld} = 0,64239 P_{eq750}^{1,032}$     |
|                            | Brumado/Camapuã              | $Q_{mld} = 1,99696 P_{eq700}^{0,667}$     | $Q_{mld} = 1,99815 P_{eq750}^{0,632}$     |
|                            | Velhas                       | $Q_{mld} = 1,44368 P_{eq700}^{0,853}$     | $Q_{mld} = 1,36059 P_{eq750}^{0,878}$     |
|                            | Bicudo                       | $Q_{mld} = 1,99717 P_{eq700}^{0,601}$     | $Q_{mld} = 1,99836 P_{eq750}^{0,626}$     |
|                            | Curimataí                    | $Q_{mld} = 1,99843 P_{eq700}^{0,552}$     | $Q_{mld} = 1,99584 P_{eq750}^{0,571}$     |
|                            | Picão                        | $Q_{mld} = 0,19712 P_{eq700}^{1,425}$     | $Q_{mld} = 0,23569 P_{eq750}^{1,42}$      |
|                            | Paraúna (Parauninha)         | $Q_{mld} = 1,99507 P_{eq700}^{0,703}$     | $Q_{mld} = 1,99906 P_{eq750}^{0,724}$     |
| Das Velhas                 | Jequitibá                    | $Q_{mld} = 0,95081 P_{eq700}^{0,807}$     | $Q_{mld} = 0,97874 P_{eq750}^{0,831}$     |
|                            | Jabuticatubas                | $Q_{mld} = 1,99885 P_{eq700}^{0,513}$     | $Q_{mld} = 1,9999 P_{eq750}^{0,538}$      |
|                            | Mata                         | $Q_{mld} = 0,33726 P_{eq700}^{1,227}$     | $Q_{mld} = 0,33243 P_{eq750}^{1,27}$      |
|                            | Taquaraçu                    | $Q_{mld} = 1,96959 P_{eq700}^{0,601}$     | $Q_{mld} = 1,55029 P_{eq750}^{0,709}$     |
|                            | Itabirito                    | $Q_{mld} = 1,99997 P_{eq700}^{0,64}$      | $Q_{mld} = 1,99857 P_{eq750}^{0,651}$     |
| Verde Grande               | Verde Grande                 | $Q_{mld} = 0,06601 e^{(P_{eq700} 0,044)}$ | $Q_{mld} = 0,07133 e^{(P_{eq750} 0,059)}$ |
| Jequitaiá                  | Jequitaiá                    | $Q_{mld} = 0,74256 P_{eq700}^{0,945}$     | $Q_{mld} = 0,89502 P_{eq750}^{0,925}$     |
| Pacuí                      | Pacuí                        | $Q_{mld} = 0,2828 P_{eq700}^{1,185}$      | $Q_{mld} = 0,38794 P_{eq750}^{1,14}$      |

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Quadro 4E – Cont.

| Bacia      | Rios                                    | $P_{eq700\_M}$                            | $P_{eq750\_M}$                            |
|------------|-----------------------------------------|-------------------------------------------|-------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{mld} = 0,70189 P_{eq700}^{0,968}$     | $Q_{mld} = 0,54985 P_{eq750}^{1,021}$     |
|            | Preto                                   | $Q_{mld} = 1,99388 P_{eq700}^{0,758}$     | $Q_{mld} = 1,99521 P_{eq750}^{0,78}$      |
|            | Salobro/<br>Cana Brava                  | $Q_{mld} = 1,99514 P_{eq700}^{0,515}$     | $Q_{mld} = 1,99871 P_{eq750}^{0,553}$     |
|            | Roncador                                | $Q_{mld} = 1,99528 P_{eq700}^{0,464}$     | $Q_{mld} = 1,99794 P_{eq750}^{0,503}$     |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{mld} = 0,59087 P_{eq700}^{0,989}$     | $Q_{mld} = 0,58289 P_{eq750}^{1,02}$      |
|            | São Pedro                               | $Q_{mld} = 1,93956 P_{eq700}^{0,646}$     | $Q_{mld} = 1,81468 P_{eq750}^{0,696}$     |
|            | Rio do Sono                             | $Q_{mld} = 1,99668 P_{eq700}^{0,719}$     | $Q_{mld} = 1,99647 P_{eq750}^{0,748}$     |
|            | Sto Antônio                             | $Q_{mld} = 0,9989 P_{eq700}^{0,821}$      | $Q_{mld} = 0,99659 P_{eq750}^{0,863}$     |
|            | Escuro                                  | $Q_{mld} = 1,14506 P_{eq700}^{0,853}$     | $Q_{mld} = 1,22164 P_{eq750}^{0,85}$      |
|            | Escurinho                               | $Q_{mld} = 1,99689 P_{eq700}^{0,647}$     | $Q_{mld} = 1,99563 P_{eq750}^{0,656}$     |
| Urucuia    | Sta Isabel                              | $Q_{mld} = 1,99661 P_{eq700}^{0,299}$     | $Q_{mld} = 1,99997 P_{eq750}^{0,309}$     |
|            | Urucuia                                 | $Q_{mld} = 0,9352 P_{eq700}^{0,913}$      | $Q_{mld} = 0,86422 P_{eq750}^{0,944}$     |
|            | Conceição                               | $Q_{mld} = 1,99997 P_{eq700}^{0,639}$     | $Q_{mld} = 1,99458 P_{eq750}^{0,667}$     |
|            | São<br>Domingos                         | $Q_{mld} = 1,99829 P_{eq700}^{0,7}$       | $Q_{mld} = 1,99633 P_{eq750}^{0,719}$     |
| Pandeiros  | Pandeiros                               | $Q_{mld} = 1,99619 P_{eq700}^{0,653}$     | $Q_{mld} = 1,99843 P_{eq750}^{0,668}$     |
| Japoré     | Japoré                                  | $Q_{mld} = 0,49287 P_{eq700}^{1,03}$      | $Q_{mld} = 0,71925 P_{eq750}^{0,927}$     |
| Carinhanha | Carinhanha                              | $Q_{mld} = 1,99675 P_{eq700}^{0,746}$     | $Q_{mld} = 1,99584 P_{eq750}^{0,761}$     |
|            | Itaguari                                | $Q_{mld} = 1,99836 P_{eq700}^{0,649}$     | $Q_{mld} = 1,99241 P_{eq750}^{0,666}$     |
|            | Coxá                                    | $Q_{mld} = 1,99584 P_{eq700}^{0,524}$     | $Q_{mld} = 1,99871 P_{eq750}^{0,535}$     |
| Corrente   | Corrente                                | $Q_{mld} = 1,9887 P_{eq700}^{0,774}$      | $Q_{mld} = 1,99661 P_{eq750}^{0,787}$     |
|            | Formoso                                 | $Q_{mld} = 1,99346 P_{eq700}^{0,669}$     | $Q_{mld} = 1,99878 P_{eq750}^{0,684}$     |
|            | Arrojado                                | $Q_{mld} = 1,99969 P_{eq700}^{0,659}$     | $Q_{mld} = 1,99591 P_{eq750}^{0,676}$     |
|            | Éguas/<br>Correntina                    | $Q_{mld} = 1,99906 P_{eq700}^{0,641}$     | $Q_{mld} = 1,99878 P_{eq750}^{0,657}$     |
| Grande     | Grande                                  | $Q_{mld} = 0,03038 P_{eq700}^{1,42}$      | $Q_{mld} = 0,02562 P_{eq750}^{1,473}$     |
|            | Preto                                   | $Q_{mld} = 0,00721 P_{eq700}^{1,783}$     | $Q_{mld} = 0,9296 e^{(P_{eq750} 0,019)}$  |
|            | Sapão                                   | $Q_{mld} = 0,00651 P_{eq700}^{1,957}$     | $Q_{mld} = 0,9191 e^{(P_{eq750} 0,03)}$   |
|            | Branco                                  | $Q_{mld} = 0,00763 P_{eq700}^{1,855}$     | $Q_{mld} = 0,98476 e^{(P_{eq750} 0,033)}$ |
|            | Rio de<br>Janeiro                       | $Q_{mld} = 0,99134 e^{(P_{eq700} 0,048)}$ | $Q_{mld} = 0,95571 e^{(P_{eq750} 0,052)}$ |
|            | Rio das<br>Ondas                        | $Q_{mld} = 1,99339 P_{eq700}^{0,691}$     | $Q_{mld} = 1,9915 P_{eq750}^{0,709}$      |
|            | Rio das<br>Fêmeas                       | $Q_{mld} = 1,99325 P_{eq700}^{0,612}$     | $Q_{mld} = 1,99955 P_{eq750}^{0,617}$     |
|            | Rio São<br>Desidério                    | $Q_{mld} = 0,00126 e^{(P_{eq700} 0,222)}$ | $Q_{mld} = 0,00273 e^{(P_{eq750} 0,243)}$ |
| Paramirim  | Paramirim                               | $Q_{mld} = 0,0973 P_{eq700}^{1,573}$      | $Q_{mld} = 1,99997 P_{eq750}^{0,249}$     |
| Verde      | Verde                                   | -                                         |                                           |
| Jacaré     | Jacaré                                  | -                                         |                                           |

Quadro 5E – Equações de regionalização para  $Q_{95}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método tradicional (T)

| Regiões | A_T                              | $P_{eq\_T}$                                   |
|---------|----------------------------------|-----------------------------------------------|
| 1       | $Q_{95} = 0,000467 A^{1,322016}$ | $Q_{95} = 0,01919 P_{eq}^{1,401546}$          |
| 2       | $Q_{95} = 0,010695 A^{0,880009}$ | $Q_{95} = 0,153953 P_{eq}^{0,888572}$         |
| 3       | $Q_{95} = 0,003042 A^{1,057413}$ | $Q_{95} = 0,074072 P_{eq}^{1,069348}$         |
| 4       | $Q_{95} = 0,00056 A^{1,160763}$  | $Q_{95} = 0,023509 P_{eq}^{1,16434}$          |
| 5       | $Q_{95} = 0,003611 A^{1,051764}$ | $Q_{95} = 0,100828 P_{eq}^{1,03382}$          |
| 6       | $Q_{95} = 0,007052 A^{0,876755}$ | $Q_{95} = 0,104322 P_{eq}^{0,881705}$         |
| 7       | $Q_{95} = 0,001157 A^{1,094463}$ | $Q_{95} = 0,036606 P_{eq}^{1,095056}$         |
| 8       | $Q_{95} = 0,008066 A^{0,852754}$ | $Q_{95} = 0,111475 P_{eq}^{0,866553}$         |
| 9       | $Q_{95} = 0,005491 A^{0,86013}$  | $Q_{95} = 0,082122 P_{eq}^{0,87143}$          |
| 10      | $Q_{95} = 0,000042 A^{1,547395}$ | $Q_{95} = 0,010963 P_{eq}^{1,498096}$         |
| 11      | $Q_{95} = 0,021108 A^{0,85975}$  | $Q_{95} = 25,6735 e^{(P_{eq}750 - 0,001908)}$ |
| 12      | $Q_{95} = 0,002312 A^{1,041244}$ | $Q_{95} = 0,042953 P_{eq}^{1,124714}$         |
| 13      | $Q_{95} = 0,036311 A^{0,776363}$ | $Q_{95} = 0,391008 P_{eq}^{0,806318}$         |
| 14      | $Q_{95} = 0,025 A^{0,8317}$      | $Q_{95} = 0,2876 P_{eq}^{0,846}$              |
| 15      | $Q_{95} = 1,6775 A^{0,5063}$     | $Q_{95} = 4,2609 P_{eq}^{0,5864}$             |

Quadro 6E – Equações de regionalização para  $Q_{95}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método tradicional (T)

| Regiões | $P_{eq700\_T}$                           | $P_{eq750\_T}$                               |
|---------|------------------------------------------|----------------------------------------------|
| 1       | $Q_{95} = 0,043287 P_{eq700}^{1,412527}$ | $Q_{95} = 0,043744 P_{eq750}^{1,451275}$     |
| 2       | $Q_{95} = 0,274582 P_{eq700}^{0,889253}$ | $Q_{95} = 0,29405 P_{eq750}^{0,887164}$      |
| 3       | $Q_{95} = 0,13664 P_{eq700}^{1,091438}$  | $Q_{95} = 0,161835 P_{eq750}^{1,062633}$     |
| 4       | $Q_{95} = 0,064763 P_{eq700}^{1,155432}$ | $Q_{95} = 0,074099 P_{eq750}^{1,150994}$     |
| 5       | $Q_{95} = 0,215652 P_{eq700}^{1,015947}$ | $Q_{95} = 0,34666 P_{eq750}^{1,012478}$      |
| 6       | $Q_{95} = 0,186368 P_{eq700}^{0,886118}$ | $Q_{95} = 0,19859 P_{eq750}^{0,88242}$       |
| 7       | $Q_{95} = 0,082141 P_{eq700}^{1,09484}$  | $Q_{95} = 0,090574 P_{eq750}^{1,092948}$     |
| 8       | $Q_{95} = 0,202274 P_{eq700}^{0,878981}$ | $Q_{95} = 0,215794 P_{eq750}^{0,880982}$     |
| 9       | $Q_{95} = 0,164669 P_{eq700}^{0,874448}$ | $Q_{95} = 0,179033 P_{eq750}^{0,874244}$     |
| 10      | $Q_{95} = 0,102513 P_{eq700}^{1,380948}$ | $Q_{95} = 0,146236 P_{eq750}^{1,351391}$     |
| 11      | $Q_{95} = 2,383282 P_{eq700}^{0,729933}$ | $Q_{95} = 25,50818 e^{(P_{eq750} 0,007379)}$ |
| 12      | $Q_{95} = 0,079978 P_{eq700}^{1,205042}$ | $Q_{95} = 0,088584 P_{eq750}^{1,212411}$     |
| 13      | $Q_{95} = 0,637272 P_{eq700}^{0,855023}$ | $Q_{95} = 0,665729 P_{eq750}^{0,865652}$     |
| 14      | $Q_{95} = 0,4566 P_{eq700}^{0,8582}$     | $Q_{95} = 0,478 P_{eq750}^{0,8599}$          |
| 15      | $Q_{95} = 2,2961 P_{eq700}^{0,7259}$     | $Q_{95} = 1,9726 P_{eq750}^{0,7544}$         |

Quadro 7E – Equações de regionalização para  $Q_{95}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | A_M                              | $P_{eq\_M}$                           |
|-----------------------------|--------------------------------|----------------------------------|---------------------------------------|
| Calha do São Francisco      | Montante Três Marias           | $Q_{95} = 0,025 A^{0,8317}$      | $Q_{95} = 0,2876 P_{eq}^{0,846}$      |
|                             | Entre Três Marias e Sobradinho | $Q_{95} = 1,6775 A^{0,5063}$     | $Q_{95} = 4,2609 P_{eq}^{0,5864}$     |
| Marmelada                   | Marmelada                      | $Q_{95} = 0,08127 e^{(A 0,004)}$ | $Q_{95} = 0,07154 e^{(P_{eq} 0,093)}$ |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{95} = 0,00784 e^{(A 0,008)}$ | $Q_{95} = 0,00413 e^{(P_{eq} 0,191)}$ |
| Bambuú                      | Bambuú/ Perdição               | $Q_{95} = 0,14385 A^{0,551}$     | $Q_{95} = 0,52535 P_{eq}^{0,641}$     |
| São Miguel                  | São Miguel                     | $Q_{95} = 0,09296 e^{(A 0,006)}$ | $Q_{95} = 0,07644 e^{(P_{eq} 0,143)}$ |
| Ajudas                      | Ajudas                         | $Q_{95} = 0,00777 A^{0,945}$     | $Q_{95} = 0,12481 P_{eq}^{0,97}$      |
| Samburá                     | Samburá                        | $Q_{95} = 0,44576 A^{0,425}$     | $Q_{95} = 1,99857 P_{eq}^{0,356}$     |
|                             | Sto Antônio                    | $Q_{95} = 1,99045 A^{0,041}$     | $Q_{95} = 1,99514 P_{eq}^{0,015}$     |
| Indaía                      | Indaía                         | $Q_{95} = 0,00126 A^{1,126}$     | $Q_{95} = 0,02408 P_{eq}^{1,236}$     |
| Borrachudo                  | Borrachudo                     | $Q_{95} = 0,00042 A^{1,279}$     | $Q_{95} = 0,01337 P_{eq}^{1,396}$     |
| Dos Tiros                   | Dos Tiros                      | $Q_{95} = 0,00035 A^{1,278}$     | $Q_{95} = 0,68229 e^{(P_{eq} 0,014)}$ |
|                             | Rib. Areado                    | $Q_{95} = 0,05523 e^{(A 0,003)}$ | $Q_{95} = 0,95137 e^{(P_{eq} 0,001)}$ |
| Pará                        | Pará                           | $Q_{95} = 0,02345 A^{0,81}$      | $Q_{95} = 0,2478 P_{eq}^{0,83}$       |
|                             | Itapeçerica (Rib. Boa Vista)   | $Q_{95} = 0,00147 A^{1,131}$     | $Q_{95} = 0,05369 P_{eq}^{1,102}$     |
|                             | Lambari                        | $Q_{95} = 1,99563 A^{0,158}$     | $Q_{95} = 1,99164 P_{eq}^{0,265}$     |
|                             | Picão                          | $Q_{95} = 0,02352 A^{0,71}$      | $Q_{95} = 0,88956 P_{eq}^{0,305}$     |
|                             | São João                       | $Q_{95} = 0,27097 A^{0,41}$      | $Q_{95} = 0,79975 P_{eq}^{0,456}$     |
| Paraopeba                   | Paraopeba                      | $Q_{95} = 0,02674 A^{0,788}$     | $Q_{95} = 0,31724 P_{eq}^{0,78}$      |
|                             | Mateus Leme                    | $Q_{95} = 0,00287 A^{1,024}$     | $Q_{95} = 0,06279 P_{eq}^{0,038}$     |
|                             | Serra Azul                     | $Q_{95} = 0,00609 A^{0,897}$     | $Q_{95} = 0,08988 P_{eq}^{0,921}$     |
|                             | Brumado/ Camapuã               | $Q_{95} = 0,0133 A^{0,838}$      | $Q_{95} = 0,16107 P_{eq}^{0,859}$     |
| Das Velhas                  | Velhas                         | $Q_{95} = 0,05026 A^{0,734}$     | $Q_{95} = 0,26957 P_{eq}^{0,839}$     |
|                             | Bicudo                         | $Q_{95} = 0,00861 e^{(A 0,003)}$ | $Q_{95} = 0,0007 e^{(P_{eq} 0,116)}$  |
|                             | Curimataí                      | $Q_{95} = 0,09863 e^{(A 0,002)}$ | $Q_{95} = 0,16401 e^{(P_{eq} 0,053)}$ |
|                             | Picão                          | $Q_{95} = 0,00322 e^{(A 0,008)}$ | $Q_{95} = 0,00133 e^{(P_{eq} 0,25)}$  |
|                             | Paraúna (Parauninha)           | $Q_{95} = 0,0077 A^{0,885}$      | $Q_{95} = 0,00077 P_{eq}^{1,897}$     |
|                             | Jequitibá                      | $Q_{95} = 0,00952 A^{0,846}$     | $Q_{95} = 0,54866 e^{(P_{eq} 0,056)}$ |
|                             | Jaboticatubas                  | $Q_{95} = 0,02149 e^{(A 0,008)}$ | $Q_{95} = 0,00987 e^{(P_{eq} 0,223)}$ |
|                             | Mata                           | $Q_{95} = 0,1288 e^{(A 0,004)}$  | $Q_{95} = 0,16975 e^{(P_{eq} 0,085)}$ |
|                             | Taquaraçu                      | $Q_{95} = 0,00056 A^{1,295}$     | $Q_{95} = 0,00588 P_{eq}^{1,785}$     |
|                             | Itabirito                      | $Q_{95} = 1,99801 A^{0,084}$     | $Q_{95} = 1,99724 P_{eq}^{0,14}$      |
| Verde Grande                | Verde Grande                   | $Q_{95} = 0,00252 A^{0,976}$     | $Q_{95} = 0,13041 e^{(P_{eq} 0,007)}$ |
| Jequitaí                    | Jequitaí                       | $Q_{95} = 0,00098 A^{1,122}$     | $Q_{95} = 0,00273 P_{eq}^{1,599}$     |
| Pacuí                       | Pacuí                          | $Q_{95} = 0,19915 e^{(A 0,001)}$ | $Q_{95} = 0,55195 e^{(P_{eq} 0,022)}$ |

Continua...

Quadro 7E – Cont.

| Bacia      | Rios                                    | A_M                                | P <sub>eq</sub> _M                      |
|------------|-----------------------------------------|------------------------------------|-----------------------------------------|
| Paracatu   | Paracatu                                | $Q_{95} = 0,005181 A^{0,934}$      | $Q_{95} = 0,00336 P_{eq}^{1,408}$       |
|            | Preto                                   | $Q_{95} = 0,11676 A^{0,583}$       | $Q_{95} = 0,00665 P_{eq}^{1,411}$       |
|            | Salobro/<br>Cana Brava                  | $Q_{95} = 0,05509 A^{0,504}$       | $Q_{95} = 0,00707 P_{eq}^{1,679}$       |
|            | Roncador                                | $Q_{95} = 0,63308 e^{(A \ 0,001)}$ | $Q_{95} = 0,00014 e^{(P_{eq} \ 0,31)}$  |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,21168 e^{(A \ 0,001)}$ | $Q_{95} = 0,54033 e^{(P_{eq} \ 0,019)}$ |
|            | São Pedro                               | $Q_{95} = 0,00462 A^{0,917}$       | $Q_{95} = 0,04578 P_{eq}^{1,103}$       |
|            | Rio do Sono                             | $Q_{95} = 0,04256 e^{(A \ 0,001)}$ | $Q_{95} = 0,00616 e^{(P_{eq} \ 0,036)}$ |
|            | Sto Antônio                             | $Q_{95} = 0,60144 A^{0,115}$       | $Q_{95} = 1,06442 P_{eq}^{0,015}$       |
|            | Escuro                                  | $Q_{95} = 0,01281 A^{0,816}$       | $Q_{95} = 0,32648 P_{eq}^{0,623}$       |
|            | Escurinho                               | $Q_{95} = 0,62755 e^{(A \ 0,001)}$ | $Q_{95} = 1,99983 P_{eq}^{0,077}$       |
|            | Sta Isabel                              | $Q_{95} = 0,43666 e^{(A \ 0,002)}$ | $Q_{95} = 0,07903 P_{eq}^{0,004}$       |
|            | Urucuia                                 | $Q_{95} = 0,00196 A^{1,013}$       | $Q_{95} = 0,17339 e^{(P_{eq} \ 0,006)}$ |
| Urucuia    | Conceição                               | $Q_{95} = 0,00028 A^{1,26}$        | $Q_{95} = 0,07315 e^{(P_{eq} \ 0,049)}$ |
|            | São<br>Domingos                         | $Q_{95} = 0,28693 e^{(A \ 0,001)}$ | $Q_{95} = 0,50988 P_{eq}^{0,004}$       |
| Pandeiros  | Pandeiros                               | $Q_{95} = 0,00252 A^{0,976}$       | $Q_{95} = 1,99178 P_{eq}^{0,292}$       |
| Japoré     | Japoré                                  | $Q_{95} = 0,00014 A^{1,346}$       | $Q_{95} = 0,01799 P_{eq}^{1,295}$       |
| Carinhanha | Carinhanha                              | $Q_{95} = 1,99402 A^{0,283}$       | $Q_{95} = 1,98954 P_{eq}^{0,437}$       |
|            | Itaguari                                | $Q_{95} = 1,99514 A^{0,112}$       | $Q_{95} = 1,99591 P_{eq}^{0,243}$       |
|            | Coxá                                    | $Q_{95} = 0,07931 e^{(A \ 0,001)}$ | $Q_{95} = 1,99738 P_{eq}^{0,061}$       |
| Corrente   | Corrente                                | $Q_{95} = 1,98177 A^{0,325}$       | $Q_{95} = 1,99458 P_{eq}^{0,485}$       |
|            | Formoso                                 | $Q_{95} = 1,9978 A^{0,136}$        | $Q_{95} = 1,99752 P_{eq}^{0,276}$       |
|            | Arrojado                                | $Q_{95} = 1,99577 A^{0,122}$       | $Q_{95} = 1,99864 P_{eq}^{0,255}$       |
|            | Éguas/<br>Correntina                    | $Q_{95} = 1,98709 A^{0,109}$       | $Q_{95} = 1,99654 P_{eq}^{0,231}$       |
|            | Grande                                  | $Q_{95} = 1,7899 A^{0,37}$         | $Q_{95} = 1,98492 P_{eq}^{0,531}$       |
| Grande     | Preto                                   | $Q_{95} = 1,99164 A^{0,22}$        | $Q_{95} = 1,99598 P_{eq}^{0,389}$       |
|            | Sapão                                   | $Q_{95} = 1,9964 A^{0,056}$        | $Q_{95} = 1,9957 P_{eq}^{0,218}$        |
|            | Branco                                  | $Q_{95} = 1,99577 A^{0,163}$       | $Q_{95} = 1,99724 P_{eq}^{0,328}$       |
|            | Rio de<br>Janeiro                       | -                                  | $Q_{95} = 1,9957 P_{eq}^{0,088}$        |
|            | Rio das<br>Ondas                        | $Q_{95} = 1,992162 A^{0,146}$      | $Q_{95} = 1,99451 P_{eq}^{0,312}$       |
|            | Rio das<br>Fêmeas                       | $Q_{95} = 1,98282 A^{0,237}$       | $Q_{95} = 1,99969 P_{eq}^{0,412}$       |
|            | Rio São<br>Desidério                    | $Q_{95} = 0,07651 e^{(A \ 0,001)}$ | $Q_{95} = 0,00161 e^{(P_{eq} \ 0,059)}$ |
| Paramirim  | Paramirim                               | $Q_{95} = 0,00014 A^{1,249}$       | $Q_{95} = 0,03682 e^{(P_{eq} \ 0,016)}$ |
| Verde      | Verde                                   | $Q_{95} = 0,00014 A^{1,246}$       | $Q_{95} = 0,0287 e^{(P_{eq} \ 0,026)}$  |
| Jacaré     | Jacaré                                  | $Q_{95} = 0,00056 A^{1,089}$       | $Q_{95} = 0,00917 e^{(P_{eq} \ 0,02)}$  |

Quadro 8E – Equações de regionalização para  $Q_{95}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Bacia                      | Rios                           | $P_{eq700\_M}$                           | $P_{eq750\_M}$                           |
|----------------------------|--------------------------------|------------------------------------------|------------------------------------------|
| Calha do São Francisco     | Montante                       | $Q_{95} = 0,4566 P_{eq700}^{0,8582}$     | $Q_{95} = 0,478 P_{eq750}^{0,8599}$      |
|                            | Três Marias                    |                                          |                                          |
| Francisco                  | Entre Três Marias e Sobradinho | $Q_{95} = 2,2961 P_{eq700}^{0,7259}$     | $Q_{95} = 1,9726 P_{eq750}^{0,7544}$     |
|                            |                                |                                          |                                          |
| Marmelada                  | Marmelada                      | $Q_{95} = 0,05621 e^{(P_{eq700} 0,195)}$ | $Q_{95} = 0,11242 e^{(P_{eq750} 0,174)}$ |
| Jorge Grande/Mateus Grande | Jorge Grande/Mateus Grande     | $Q_{95} = 0,00273 e^{(P_{eq700} 0,39)}$  | $Q_{95} = 0,00266 e^{(P_{eq750} 0,419)}$ |
| BambuÍ                     | BambuÍ/Perdição                | $Q_{95} = 0,60438 P_{eq700}^{0,712}$     | $Q_{95} = 0,6055 P_{eq750}^{0,724}$      |
| São Miguel                 | São Miguel                     | $Q_{95} = 0,08127 e^{(P_{eq700} 0,278)}$ | $Q_{95} = 0,01841 P_{eq750}^{1,999}$     |
| Ajudas                     | Ajudas                         | $Q_{95} = 0,18466 P_{eq700}^{1,041}$     | $Q_{95} = 0,19397 P_{eq750}^{1,046}$     |
| Samburá                    | Samburá                        | $Q_{95} = 1,23144 P_{eq700}^{0,574}$     | $Q_{95} = 1,23102 P_{eq750}^{0,584}$     |
|                            | Sto Antônio                    | $Q_{95} = 1,99878 P_{eq700}^{0,187}$     | $Q_{95} = 1,99472 P_{eq750}^{0,199}$     |
| Indaía                     | Indaía                         | $Q_{95} = 0,03724 P_{eq700}^{1,324}$     | $Q_{95} = 0,0413 P_{eq750}^{1,321}$      |
| Borrachudo                 | Borrachudo                     | $Q_{95} = 0,02226 P_{eq700}^{1,513}$     | $Q_{95} = 0,02317 P_{eq750}^{1,532}$     |
| Dos Tiros                  | Dos Tiros                      | $Q_{95} = 0,19901 e^{(P_{eq700} 0,039)}$ | $Q_{95} = 0,14413 e^{(P_{eq750} 0,045)}$ |
|                            | Rib. Areado                    | $Q_{95} = 1,99577 P_{eq700}^{0,07}$      | $Q_{95} = 1,99402 P_{eq750}^{0,052}$     |
| Pará                       | Pará                           | $Q_{95} = 0,38164 P_{eq700}^{0,849}$     | $Q_{95} = 0,39942 P_{eq750}^{0,851}$     |
|                            | Itapecerica (Rib. Boa Vista)   | $Q_{95} = 0,1186 P_{eq700}^{1,081}$      | $Q_{95} = 0,1288 P_{eq750}^{1,079}$      |
|                            | Lambari                        | $Q_{95} = 1,99241 P_{eq700}^{0,305}$     | $Q_{95} = 1,99661 P_{eq750}^{0,31}$      |
|                            | Picão                          | $Q_{95} = 1,9997 P_{eq700}^{0,065}$      | $Q_{95} = 1,99997 P_{eq750}^{0,067}$     |
|                            | São João                       | $Q_{95} = 0,93352 P_{eq700}^{0,499}$     | $Q_{95} = 0,37548 P_{eq750}^{0,825}$     |
| Paraopeba                  | Paraopeba                      | $Q_{95} = 0,53858 P_{eq700}^{0,776}$     | $Q_{95} = 0,5635 P_{eq750}^{0,777}$      |
|                            | Mateus Leme                    | $Q_{95} = 0,11578 P_{eq700}^{1,06}$      | $Q_{95} = 0,12544 P_{eq750}^{1,059}$     |
|                            | Serra Azul                     | $Q_{95} = 0,15834 P_{eq700}^{0,939}$     | $Q_{95} = 0,154211 P_{eq750}^{1,278}$    |
|                            | Brumado/Camapuã                | $Q_{95} = 0,26341 P_{eq700}^{0,881}$     | $Q_{95} = 0,18347 e^{(P_{eq750} 0,231)}$ |
| Das Velhas                 | Velhas                         | $Q_{95} = 0,17731 P_{eq700}^{1,036}$     | $Q_{95} = 0,17976 P_{eq750}^{1,054}$     |
|                            | Bicudo                         | $Q_{95} = 0,00049 e^{(P_{eq700} 0,317)}$ | $Q_{95} = 0,00028 e^{(P_{eq750} 0,379)}$ |
|                            | Curimataí                      | $Q_{95} = 0,18032 e^{(P_{eq700} 0,16)}$  | $Q_{95} = 0,1876 e^{(P_{eq750} 0,185)}$  |
|                            | Picão                          | $Q_{95} = 0,0009 e^{(P_{eq700} 0,691)}$  | $Q_{95} = 0,00084 e^{(P_{eq750} 0,789)}$ |
|                            | Paraúna (Parauninha)           | $Q_{95} = 0,21504 e^{(P_{eq700} 0,055)}$ | $Q_{95} = 0,12691 e^{(P_{eq750} 0,068)}$ |
|                            | Jequitibá                      | $Q_{95} = 0,14959 P_{eq700}^{1,157}$     | $Q_{95} = 0,44366 e^{(P_{eq750} 0,165)}$ |
|                            | Jabuticatubas                  | $Q_{95} = 0,00357 e^{(P_{eq700} 0,563)}$ | $Q_{95} = 0,00245 e^{(P_{eq750} 0,649)}$ |
|                            | Mata                           | $Q_{95} = 0,15743 e^{(P_{eq700} 0,181)}$ | $Q_{95} = 0,1435 e^{(P_{eq750} 0,203)}$  |
|                            | Taquaraçu                      | $Q_{95} = 0,21903 e^{(P_{eq700} 0,16)}$  | $Q_{95} = 0,18228 e^{(P_{eq750} 0,185)}$ |
| Verde Grande               | Itabirito                      | $Q_{95} = 1,99801 P_{eq700}^{0,105}$     | $Q_{95} = 1,99997 P_{eq750}^{0,112}$     |
|                            | Verde Grande                   | $Q_{95} = 0,00112 e^{(P_{eq700} 0,062)}$ | $Q_{95} = 0,00182 e^{(P_{eq750} 0,081)}$ |
| Jequitai                   | Jequitai                       | $Q_{95} = 0,017851 P_{eq700}^{1,546}$    | $Q_{95} = 0,02331 P_{eq750}^{1,533}$     |
| Pacuí                      | Pacuí                          | $Q_{95} = 0,01911 P_{eq700}^{1,634}$     | $Q_{95} = 0,0273 P_{eq750}^{1,598}$      |

Continua...

Quadro 8E – Cont.

| Bacia      | Rios                                    | $P_{eq700\_M}$                           | $P_{eq750\_M}$                           |
|------------|-----------------------------------------|------------------------------------------|------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{95} = 0,00049 P_{eq700}^{1,89}$      | $Q_{95} = 0,0098 P_{eq750}^{1,471}$      |
|            | Preto                                   | $Q_{95} = 0,00154 P_{eq700}^{1,949}$     | $Q_{95} = 0,0021 P_{eq750}^{1,927}$      |
|            | Salobro/<br>Cana Brava                  | $Q_{95} = 0,24262 e^{(P_{eq700} 0,159)}$ | $Q_{95} = 0,22904 e^{(P_{eq750} 0,178)}$ |
|            | Roncador                                | $Q_{95} = 0,00007 e^{(P_{eq700} 0,74)}$  | $Q_{95} = 0,00014 e^{(P_{eq750} 0,758)}$ |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,46557 e^{(P_{eq700} 0,045)}$ | $Q_{95} = 0,39585 e^{(P_{eq750} 0,054)}$ |
|            | São Pedro                               | $Q_{95} = 0,70966 e^{(P_{eq700} 0,064)}$ | $Q_{95} = 0,0476 P_{eq750}^{1,461}$      |
|            | Rio do Sono                             | $Q_{95} = 0,0051 e^{(P_{eq700} 0,089)}$  | $Q_{95} = 0,00371 e^{(P_{eq750} 0,1)}$   |
|            | Sto Antônio                             | $Q_{95} = 0,85946 P_{eq700}^{0,166}$     | $Q_{95} = 0,97244 P_{eq750}^{0,087}$     |
|            | Escuro                                  | $Q_{95} = 0,80059 P_{eq700}^{0,466}$     | $Q_{95} = 0,22603 P_{eq750}^{0,886}$     |
|            | Escurinho                               | $Q_{95} = 0,9905 e^{(P_{eq700} 0,012)}$  | $Q_{95} = 0,00091 e^{(P_{eq750} 0,205)}$ |
| Urucuia    | Sta Isabel                              | $Q_{95} = 0,21 P_{eq700}^0$              | $Q_{95} = 0,62993 P_{eq750}^0$           |
|            | Urucuia                                 | $Q_{95} = 0,00406 P_{eq700}^{1,632}$     | $Q_{95} = 0,00203 P_{eq750}^{1,783}$     |
|            | Conceição                               | $Q_{95} = 0,16604 e^{(P_{eq700} 0,098)}$ | $Q_{95} = 0,12502 e^{(P_{eq750} 0,12)}$  |
|            | São<br>Domingos                         | $Q_{95} = 0,07105 e^{(P_{eq700} 0,073)}$ | $Q_{95} = 0,3024 e^{(P_{eq750} 0,054)}$  |
| Pandeiros  | Pandeiros                               | $Q_{95} = 1,99675 P_{eq700}^{0,353}$     | $Q_{95} = 1,99787 P_{eq750}^{0,361}$     |
| Japoré     | Japoré                                  | $Q_{95} = 0,16723 P_{eq700}^{1,015}$     | $Q_{95} = 0,23485 P_{eq750}^{0,938}$     |
| Carinhanha | Carinhanha                              | $Q_{95} = 1,99773 P_{eq700}^{0,524}$     | $Q_{95} = 1,99255 P_{eq750}^{0,538}$     |
|            | Itaguari                                | $Q_{95} = 1,9964 P_{eq700}^{0,32}$       | $Q_{95} = 1,99549 P_{eq750}^{0,33}$      |
|            | Coxá                                    | $Q_{95} = 1,99773 P_{eq700}^{0,079}$     | $Q_{95} = 1,99668 P_{eq750}^{0,073}$     |
| Corrente   | Corrente                                | $Q_{95} = 1,99507 P_{eq700}^{0,574}$     | $Q_{95} = 1,99738 P_{eq750}^{0,587}$     |
|            | Formoso                                 | $Q_{95} = 1,99864 P_{eq700}^{0,361}$     | $Q_{95} = 1,9922 P_{eq750}^{0,373}$      |
|            | Arrojado                                | $Q_{95} = 1,99185 P_{eq700}^{0,343}$     | $Q_{95} = 1,99591 P_{eq750}^{0,355}$     |
|            | Éguas/<br>Correntina                    | $Q_{95} = 1,99367 P_{eq700}^{0,307}$     | $Q_{95} = 1,99857 P_{eq750}^{0,316}$     |
| Grande     | Grande                                  | $Q_{95} = 1,99465 P_{eq700}^{0,633}$     | $Q_{95} = 1,99738 P_{eq750}^{0,649}$     |
|            | Preto                                   | $Q_{95} = 1,99101 P_{eq700}^{0,507}$     | $Q_{95} = 1,99087 P_{eq750}^{0,526}$     |
|            | Sapão                                   | $Q_{95} = 1,99598 P_{eq700}^{0,347}$     | $Q_{95} = 1,99192 P_{eq750}^{0,369}$     |
|            | Branco                                  | $Q_{95} = 1,99045 P_{eq700}^{0,465}$     | $Q_{95} = 1,99934 P_{eq750}^{0,487}$     |
|            | Rio de<br>Janeiro                       | $Q_{95} = 1,99486 P_{eq700}^{0,286}$     | $Q_{95} = 1,6814 P_{eq750}^{0,358}$      |
|            | Rio das<br>Ondas                        | $Q_{95} = 1,99787 P_{eq700}^{0,456}$     | $Q_{95} = 1,99465 P_{eq750}^{0,481}$     |
|            | Rio das<br>Fêmeas                       | $Q_{95} = 1,99136 P_{eq700}^{0,54}$      | $Q_{95} = 1,99997 P_{eq750}^{0,56}$      |
|            | Rio São<br>Desidério                    | $Q_{95} = 0,00448 P_{eq700}^{1,985}$     | $Q_{95} = 0,0007 e^{(P_{eq750} 0,261)}$  |
| Paramirim  | Paramirim                               | $Q_{95} = 0,00028 e^{(P_{eq700} 0,476)}$ | $Q_{95} = 0,00007 e^{(P_{eq750} 1,946)}$ |
| Verde      | Verde                                   | -                                        | -                                        |
| Jacaré     | Jacaré                                  | -                                        | -                                        |

Quadro 9E – Equações de regionalização para  $Q_{90}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método tradicional (T)

| Regiões | A_T                              | $P_{eq\_T}$                               |
|---------|----------------------------------|-------------------------------------------|
| 1       | $Q_{90} = 0,000928 A^{1,243568}$ | $Q_{90} = 0,031218 P_{eq}^{1,312374}$     |
| 2       | $Q_{90} = 0,011213 A^{0,894172}$ | $Q_{90} = 0,169211 P_{eq}^{0,901861}$     |
| 3       | $Q_{90} = 0,003916 A^{1,048348}$ | $Q_{90} = 0,092777 P_{eq}^{1,060201}$     |
| 4       | $Q_{90} = 0,000833 A^{1,134873}$ | $Q_{90} = 0,032371 P_{eq}^{1,136969}$     |
| 5       | $Q_{90} = 0,004747 A^{1,032348}$ | $Q_{90} = 0,124802 P_{eq}^{1,014461}$     |
| 6       | $Q_{90} = 0,008077 A^{0,889744}$ | $Q_{90} = 0,124452 P_{eq}^{0,894582}$     |
| 7       | $Q_{90} = 0,00137 A^{1,107135}$  | $Q_{90} = 0,045203 P_{eq}^{1,107246}$     |
| 8       | $Q_{90} = 0,009012 A^{0,867518}$ | $Q_{90} = 0,130626 P_{eq}^{0,881193}$     |
| 9       | $Q_{90} = 0,004708 A^{0,90549}$  | $Q_{90} = 0,08074 P_{eq}^{0,918414}$      |
| 10      | $Q_{90} = 0,000059 A^{1,517402}$ | $Q_{90} = 0,013877 P_{eq}^{1,469047}$     |
| 11      | $Q_{90} = 0,021899 A^{0,861704}$ | $Q_{90} = 20,10695 e^{(P_{eq} 0,001909)}$ |
| 12      | $Q_{90} = 0,002842 A^{1,027339}$ | $Q_{90} = 0,050722 P_{eq}^{1,109864}$     |
| 13      | $Q_{90} = 0,034894 A^{0,784487}$ | $Q_{90} = 0,385828 P_{eq}^{0,814509}$     |
| 14      | $Q_{90} = 0,0303 A^{0,8227}$     | $Q_{90} = 0,3394 P_{eq}^{0,8368}$         |
| 15      | $Q_{90} = 2,8816 A^{0,4699}$     | $Q_{90} = 6,8444 P_{eq}^{0,5443}$         |

Quadro 10E – Equações de regionalização para  $Q_{90}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método tradicional (T)

| Regiões | $P_{eq700\_T}$                              | $P_{eq750\_T}$                               |
|---------|---------------------------------------------|----------------------------------------------|
| 1       | $Q_{90} = 0,067514 P_{eq700}^{1,319044}$    | $Q_{90} = 0,069697 P_{eq750}^{1,346738}$     |
| 2       | $Q_{90} = 0,305369 P_{eq700}^{0,901679}$    | $Q_{90} = 0,32742 P_{eq750}^{0,899485}$      |
| 3       | $Q_{90} = 0,170263 P_{eq700}^{1,082071}$    | $Q_{90} = 0,003916 P_{eq750}^{1,048348}$     |
| 4       | $Q_{90} = 0,087596 P_{eq700}^{1,126699}$    | $Q_{90} = 0,099998 P_{eq750}^{1,22076}$      |
| 5       | $Q_{90} = 0,263414 P_{eq700}^{0,996639}$    | $Q_{90} = 0,286203 P_{eq750}^{0,993211}$     |
| 6       | $Q_{90} = 0,224367 P_{eq700}^{0,898888}$    | $Q_{90} = 0,239307 P_{eq750}^{0,899005}$     |
| 7       | $Q_{90} = 0,102556 P_{eq700}^{1,106489}$    | $Q_{90} = 0,11324 P_{eq750}^{1,104485}$      |
| 8       | $Q_{90} = 0,239931 P_{eq700}^{0,893423}$    | $Q_{90} = 0,256334 P_{eq750}^{0,895385}$     |
| 9       | $Q_{90} = 0,166969 P_{eq700}^{0,922965}$    | $Q_{90} = 0,182181 P_{eq750}^{0,922976}$     |
| 10      | $Q_{90} = 0,124234 P_{eq700}^{1,354226}$    | $Q_{90} = 0,1760039 P_{eq750}^{1,325245}$    |
| 11      | $Q_{90} = 26,9626 e^{(P_{eq700} 0,006199)}$ | $Q_{90} = 26,92903 e^{(P_{eq750} 0,007384)}$ |
| 12      | $Q_{90} = 0,093531 P_{eq700}^{1,189405}$    | $Q_{90} = 0,103441 P_{eq750}^{1,196738}$     |
| 13      | $Q_{90} = 0,633422 P_{eq700}^{0,86329}$     | $Q_{90} = 0,662305 P_{eq750}^{0,873933}$     |
| 14      | $Q_{90} = 0,5362 P_{eq700}^{0,8488}$        | $Q_{90} = 0,561 P_{eq750}^{0,8505}$          |
| 15      | $Q_{90} = 3,855 P_{eq700}^{0,6738}$         | $Q_{90} = 3,3444 P_{eq750}^{0,7004}$         |

Quadro 11E – Equações de regionalização para  $Q_{90}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | A_M                                | $P_{eq\_M}$                             |
|-----------------------------|--------------------------------|------------------------------------|-----------------------------------------|
| Calha do São Francisco      | Montante                       | $Q_{90} = 0,0303 A^{0,8227}$       | $Q_{90} = 0,3394 P_{eq}^{0,8368}$       |
|                             | Três Marias                    |                                    |                                         |
| Francisco                   | Entre Três Marias e Sobradinho | $Q_{90} = 2,8816 A^{0,4699}$       | $Q_{90} = 6,8444 P_{eq}^{0,5443}$       |
|                             |                                |                                    |                                         |
| Marmelada                   | Marmelada                      | $Q_{90} = 0,22645 e^{(A^{0,003})}$ | $Q_{90} = 0,15197 e^{(P_{eq}^{0,077})}$ |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{90} = 0,01841 e^{(A^{0,007})}$ | $Q_{90} = 0,01253 e^{(P_{eq}^{0,162})}$ |
| BambuÍ                      | BambuÍ/ Perdição               | $Q_{90} = 0,14973 A^{0,559}$       | $Q_{90} = 0,58632 P_{eq}^{0,639}$       |
| São Miguel                  | São Miguel                     | $Q_{90} = 0,10388 e^{(A^{0,006})}$ | $Q_{90} = 0,11669 e^{(P_{eq}^{0,13})}$  |
| Ajudas                      | Ajudas                         | $Q_{90} = 0,01239 A^{0,891}$       | $Q_{90} = 0,15267 P_{eq}^{0,946}$       |
| Samburá                     | Samburá                        | $Q_{90} = 0,443381 A^{0,441}$      | $Q_{90} = 1,99521 P_{eq}^{0,38}$        |
|                             | Sto Antônio                    | $Q_{90} = 1,99962 A^{0,062}$       | $Q_{90} = 1,9999 P_{eq}^{0,05}$         |
| IndaÍa                      | IndaÍa                         | $Q_{90} = 0,00329 A^{1,015}$       | $Q_{90} = 0,02408 P_{eq}^{1,236}$       |
| Borrachudo                  | Borrachudo                     | $Q_{90} = 0,00112 A^{1,159}$       | $Q_{90} = 0,01337 P_{eq}^{1,396}$       |
| Dos Tiros                   | Dos Tiros                      | $Q_{90} = 0,00035 A^{1,286}$       | $Q_{90} = 0,94906 e^{(P_{eq}^{0,013})}$ |
|                             | Rib. Areado                    | $Q_{90} = 0,28035 e^{(A^{0,002})}$ | $Q_{90} = 1,1949 P_{eq}^{0,001}$        |
| Pará                        | Pará                           | $Q_{90} = 0,04235 A^{0,757}$       | $Q_{90} = 0,36778 P_{eq}^{0,782}$       |
|                             | Itapecerica (Rib. Boa Vista)   | $Q_{90} = 0,00868 A^{0,911}$       | $Q_{90} = 0,15505 P_{eq}^{0,891}$       |
|                             | Lambari                        | $Q_{90} = 1,99346 A^{0,164}$       | $Q_{90} = 1,99234 P_{eq}^{0,275}$       |
|                             | Picão                          | $Q_{90} = 0,48111 A^{0,268}$       | $Q_{90} = 1,99605 P_{eq}^{0,084}$       |
|                             | São João                       | $Q_{90} = 0,42511 A^{0,358}$       | $Q_{90} = 1,15248 P_{eq}^{0,383}$       |
| Paraopeba                   | Paraopeba                      | $Q_{90} = 0,04697 A^{0,738}$       | $Q_{90} = 0,46718 P_{eq}^{0,733}$       |
|                             | Mateus Leme                    | $Q_{90} = 0,00504 A^{0,944}$       | $Q_{90} = 0,08659 P_{eq}^{0,958}$       |
|                             | Serra Azul                     | $Q_{90} = 0,01043 A^{0,807}$       | $Q_{90} = 0,11732 P_{eq}^{0,832}$       |
|                             | Brumado/ Camapuã               | $Q_{90} = 0,04347 A^{0,683}$       | $Q_{90} = 0,30842 P_{eq}^{0,724}$       |
| Das Velhas                  | Velhas                         | $Q_{90} = 0,08099 A^{0,693}$       | $Q_{90} = 0,3997 P_{eq}^{0,791}$        |
|                             | Bicudo                         | $Q_{90} = 0,00868 e^{(A^{0,003})}$ | $Q_{90} = 0,00056 e^{(P_{eq}^{0,119})}$ |
|                             | CurimataÍ                      | $Q_{90} = 0,09996 e^{(A^{0,002})}$ | $Q_{90} = 0,24493 e^{(P_{eq}^{0,047})}$ |
|                             | Picão                          | $Q_{90} = 0,0077 e^{(A^{0,007})}$  | $Q_{90} = 0,00385 e^{(P_{eq}^{0,216})}$ |
|                             | ParaÍuna (Parauninha)          | $Q_{90} = 1,99241 A^{0,228}$       | $Q_{90} = 0,09443 P_{eq}^{0,977}$       |
|                             | Jequitibá                      | $Q_{90} = 0,02184 A^{0,727}$       | $Q_{90} = 0,71225 e^{(P_{eq}^{0,048})}$ |
|                             | Jabuticatubas                  | $Q_{90} = 0,7273 A^{0,006}$        | $Q_{90} = 0,03423 e^{(P_{eq}^{0,175})}$ |
|                             | Mata                           | $Q_{90} = 0,32452 e^{(A^{0,003})}$ | $Q_{90} = 0,33215 e^{(P_{eq}^{0,069})}$ |
|                             | Taquaraçu                      | $Q_{90} = 0,00903 A^{0,889}$       | $Q_{90} = 0,03066 P_{eq}^{1,344}$       |
| Verde Grande                | Itabirito                      | $Q_{90} = 1,99892 A^{0,107}$       | $Q_{90} = 1,99997 P_{eq}^{0,19}$        |
|                             | Verde Grande                   | $Q_{90} = 0,00665 A^{0,884}$       | $Q_{90} = 0,13286 e^{(P_{eq}^{0,007})}$ |
| Jequitai                    | Jequitai                       | $Q_{90} = 0,00042 A^{1,221}$       | $Q_{90} = 0,0035 P_{eq}^{1,564}$        |
| Pacuí                       | Pacuí                          | $Q_{90} = 0,20839 e^{(A^{0,001})}$ | $Q_{90} = 0,00329 P_{eq}^{1,656}$       |

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Quadro 11E – Cont.

| Bacia      | Rios                                    | A_M                                | P <sub>eq</sub> _M                      |
|------------|-----------------------------------------|------------------------------------|-----------------------------------------|
| Paracatu   | Paracatu                                | $Q_{90} = 0,00329 A^{0,98}$        | $Q_{90} = 0,01001 P_{eq}^{1,268}$       |
|            | Preto                                   | $Q_{90} = 1,98842 A^{0,282}$       | $Q_{90} = 0,26817 P_{eq}^{0,802}$       |
|            | Salobro/<br>Cana Brava                  | $Q_{90} = 0,34405 e^{(A^{0,001})}$ | $Q_{90} = 0,09373 P_{eq}^{0,914}$       |
|            | Roncador                                | -                                  | $Q_{90} = 0,05663 e^{(P_{eq}^{0,114})}$ |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{90} = 0,00049 A^{1,205}$       | $Q_{90} = 0,00175 P_{eq}^{1,739}$       |
|            | São Pedro                               | $Q_{90} = 0,01141 A^{0,815}$       | $Q_{90} = 0,06328 P_{eq}^{1,082}$       |
|            | Rio do Sono                             | $Q_{90} = 0,04592 e^{(A^{0,001})}$ | $Q_{90} = 0,00238 e^{(P_{eq}^{0,04})}$  |
|            | Sto Antônio                             | $Q_{90} = 0,85484 A^{0,08}$        | -                                       |
|            | Escuro                                  | $Q_{90} = 0,04242 A^{0,672}$       | $Q_{90} = 0,39592 P_{eq}^{0,627}$       |
|            | Escurinho                               | $Q_{90} = 1,99213 A^{0,095}$       | $Q_{90} = 1,98849 P_{eq}^{0,126}$       |
|            | Sta Isabel                              | $Q_{90} = 0,14 A^0$                | -                                       |
| Urucuia    | Urucuia                                 | $Q_{90} = 0,00133 A^{1,054}$       | $Q_{90} = 0,00035 P_{eq}^{1,762}$       |
|            | Conceição                               | $Q_{90} = 0,00014 A^{1,354}$       | $Q_{90} = 0,36323 e^{(P_{eq}^{0,031})}$ |
|            | São<br>Domingos                         | $Q_{90} = 1,99066 A^{0,158}$       | $Q_{90} = 1,98086 P_{eq}^{0,184}$       |
| Pandeiros  | Pandeiros                               | $Q_{90} = 1,99577 A^{0,181}$       | $Q_{90} = 1,99773 P_{eq}^{0,296}$       |
| Japoré     | Japoré                                  | $Q_{90} = 0,000059 A^{1,517402}$   | $Q_{90} = 0,013877 P_{eq}^{1,469047}$   |
| Carinhanha | Carinhanha                              | $Q_{90} = 1,98492 A^{0,285}$       | $Q_{90} = 1,99493 P_{eq}^{0,439}$       |
|            | Itaguari                                | $Q_{90} = 1,96616 A^{0,116}$       | $Q_{90} = 1,99122 P_{eq}^{0,247}$       |
|            | Coxá                                    | $Q_{90} = 0,08099 A^{0,001}$       | $Q_{90} = 1,99836 P_{eq}^{0,065}$       |
| Corrente   | Corrente                                | $Q_{90} = 1,9992 A^{0,325}$        | $Q_{90} = 1,99997 P_{eq}^{0,486}$       |
|            | Formoso                                 | $Q_{90} = 1,99647 A^{0,137}$       | $Q_{90} = 1,99353 P_{eq}^{0,279}$       |
|            | Arrojado                                | $Q_{90} = 1,99549 A^{0,123}$       | $Q_{90} = 1,98996 P_{eq}^{0,258}$       |
|            | Éguas/<br>Correntina                    | $Q_{90} = 1,98681 A^{0,11}$        | $Q_{90} = 1,99668 P_{eq}^{0,234}$       |
| Grande     | Grande                                  | $Q_{90} = 1,97799 A^{0,361}$       | $Q_{90} = 1,99969 P_{eq}^{0,53}$        |
|            | Preto                                   | $Q_{90} = 1,98975 A^{0,218}$       | $Q_{90} = 1,99381 P_{eq}^{0,389}$       |
|            | Sapão                                   | $Q_{90} = 1,99458 A^{0,054}$       | $Q_{90} = 1,99269 P_{eq}^{0,218}$       |
|            | Branco                                  | $Q_{90} = 1,98625 A^{0,162}$       | $Q_{90} = 1,99423 P_{eq}^{0,328}$       |
|            | Rio de<br>Janeiro                       | $Q_{90} = 0,969999 A^0$            | $Q_{90} = 1,99717 P_{eq}^{0,086}$       |
|            | Rio das<br>Ondas                        | $Q_{90} = 1,98716 A^{0,144}$       | $Q_{90} = 1,99269 P_{eq}^{0,312}$       |
|            | Rio das<br>Fêmeas                       | $Q_{90} = 1,9866 A^{0,236}$        | $Q_{90} = 1,99969 P_{eq}^{0,412}$       |
|            | Rio São<br>Desidério                    | $Q_{90} = 0,07602 e^{(A^{0,001})}$ | $Q_{90} = 0,00161 e^{(P_{eq}^{0,059})}$ |
| Paramirim  | Paramirim                               | $Q_{90} = 0,00063 A^{1,095}$       | $Q_{90} = 0,02492 e^{(P_{eq}^{0,017})}$ |
| Verde      | Verde                                   | $Q_{90} = 0,00084 A^{1,053}$       | $Q_{90} = 0,01806 e^{(P_{eq}^{0,028})}$ |
| Jacaré     | Jacaré                                  | $Q_{90} = 0,00301 A^{0,917}$       | $Q_{90} = 0,00427 e^{(P_{eq}^{0,022})}$ |

Quadro 12E – Equações de regionalização para  $Q_{90}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | $P_{eq700\_M}$                           | $P_{eq750\_M}$                           |
|-----------------------------|--------------------------------|------------------------------------------|------------------------------------------|
| Calha do São Francisco      | Montante                       | $Q_{90} = 0,5362 P_{eq700}^{0,8488}$     | $Q_{90} = 0,561 P_{eq750}^{0,8505}$      |
|                             | Três Marias                    |                                          |                                          |
| Francisco                   | Entre Três Marias e Sobradinho | $Q_{90} = 3,855 P_{eq700}^{0,6738}$      | $Q_{90} = 3,3444 P_{eq750}^{0,7004}$     |
|                             |                                |                                          |                                          |
| Marmelada                   | Marmelada                      | $Q_{90} = 0,1236 e^{(P_{eq700} 0,162)}$  | $Q_{90} = 0,01064 P_{eq750}^{1,96}$      |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{90} = 0,00875 e^{(P_{eq700} 0,331)}$ | $Q_{90} = 0,00861 e^{(P_{eq750} 0,355)}$ |
| BambuÍ                      | BambuÍ/ Perdição               | $Q_{90} = 0,64498 P_{eq700}^{0,721}$     | $Q_{90} = 0,65072 P_{eq750}^{0,731}$     |
| São Miguel                  | São Miguel                     | $Q_{90} = 0,12467 e^{(P_{eq700} 0,251)}$ | $Q_{90} = 0,12516 e^{(P_{eq750} 0,27)}$  |
| Ajudas                      | Ajudas                         | $Q_{90} = 0,24486 P_{eq700}^{0,982}$     | $Q_{90} = 0,25683 P_{eq750}^{0,987}$     |
| Samburá                     | Samburá                        | $Q_{90} = 1,29087 P_{eq700}^{0,591}$     | $Q_{90} = 1,29577 P_{eq750}^{0,6}$       |
|                             | Sto Antônio                    | $Q_{90} = 1,99647 P_{eq700}^{0,236}$     | $Q_{90} = 1,99549 P_{eq750}^{0,242}$     |
| Indaía                      | Indaía                         | $Q_{90} = 0,06734 P_{eq700}^{1,204}$     | $Q_{90} = 0,06748 P_{eq750}^{1,223}$     |
| Borrachudo                  | Borrachudo                     | $Q_{90} = 0,04046 P_{eq700}^{1,372}$     | $Q_{90} = 0,04186 P_{eq750}^{1,39}$      |
| Dos Tiros                   | Dos Tiros                      | $Q_{90} = 0,46452 e^{(P_{eq700} 0,033)}$ | $Q_{90} = 0,35847 e^{(P_{eq750} 0,038)}$ |
|                             | Rib. Areado                    | $Q_{90} = 0,73759 P_{eq700}^{0,441}$     | $Q_{90} = 1,99528 P_{eq750}^{0,153}$     |
| Pará                        | Pará                           | $Q_{90} = 0,55461 P_{eq700}^{0,799}$     | $Q_{90} = 0,58149 P_{eq750}^{0,8}$       |
|                             | Itapecerica (Rib. Boa Vista)   | $Q_{90} = 0,30338 P_{eq700}^{0,866}$     | $Q_{90} = 0,31941 P_{eq750}^{0,868}$     |
|                             | Lambari                        | $Q_{90} = 1,99458 P_{eq700}^{0,317}$     | $Q_{90} = 1,99465 P_{eq750}^{0,322}$     |
|                             | Picão                          | $Q_{90} = 1,99535 P_{eq700}^{0,08}$      | $Q_{90} = 1,99871 P_{eq750}^{0,079}$     |
|                             | São João                       | $Q_{90} = 1,23963 P_{eq700}^{0,44}$      | $Q_{90} = 0,50043 P_{eq750}^{0,777}$     |
| Paraopeba                   | Paraopeba                      | $Q_{90} = 1,65235 P_{eq700}^{0,594}$     | $Q_{90} = 0,81802 P_{eq750}^{0,726}$     |
|                             | Mateus Leme                    | $Q_{90} = 0,15897 P_{eq700}^{0,917}$     | $Q_{90} = 0,16443 P_{eq750}^{0,974}$     |
|                             | Serra Azul                     | $Q_{90} = 0,19544 P_{eq700}^{0,782}$     | $Q_{90} = 0,20559 P_{eq750}^{0,852}$     |
|                             | Brumado/ Camapuã               | $Q_{90} = 0,3927 P_{eq700}^{0,813}$      | $Q_{90} = 0,36624 e^{(P_{eq750} 0,189)}$ |
| Das Velhas                  | Velhas                         | $Q_{90} = 0,26845 P_{eq700}^{0,978}$     | $Q_{90} = 0,23373 P_{eq750}^{1,02}$      |
|                             | Bicudo                         | $Q_{90} = 0,00063 e^{(P_{eq700} 0,309)}$ | $Q_{90} = 0,00007 e^{(P_{eq750} 0,432)}$ |
|                             | Curimataí                      | $Q_{90} = 0,27489 e^{(P_{eq700} 0,14)}$  | $Q_{90} = 0,27762 e^{(P_{eq750} 0,164)}$ |
|                             | Picão                          | $Q_{90} = 0,00252 e^{(P_{eq700} 0,606)}$ | $Q_{90} = 0,00252 e^{(P_{eq750} 0,686)}$ |
|                             | Paraúna (Parauninha)           | $Q_{90} = 0,63413 e^{(P_{eq700} 0,042)}$ | $Q_{90} = 0,3703 e^{(P_{eq750} 0,054)}$  |
|                             | Jequitibá                      | $Q_{90} = 0,59852 e^{(P_{eq700} 0,129)}$ | $Q_{90} = 0,5747 e^{(P_{eq750} 0,147)}$  |
|                             | Jabuticatubas                  | $Q_{90} = 0,01141 e^{(P_{eq700} 0,47)}$  | $Q_{90} = 0,0091 e^{(P_{eq750} 0,533)}$  |
|                             | Mata                           | $Q_{90} = 0,29064 e^{(P_{eq700} 0,152)}$ | $Q_{90} = 0,28497 e^{(P_{eq750} 0,166)}$ |
|                             | Taquaraçu                      | $Q_{90} = 0,40243 e^{(P_{eq700} 0,131)}$ | $Q_{90} = 0,34762 e^{(P_{eq750} 0,151)}$ |
| Verde Grande                | Itabirito                      | $Q_{90} = 1,99619 P_{eq700}^{0,178}$     | $Q_{90} = 1,99815 P_{eq750}^{0,166}$     |
|                             | Verde Grande                   | $Q_{90} = 0,00959 e^{(P_{eq700} 0,049)}$ | $Q_{90} = 0,0434 e^{(P_{eq750} 0,054)}$  |
| Jequitai                    | Jequitai                       | $Q_{90} = 0,02282 P_{eq700}^{1,503}$     | $Q_{90} = 0,02996 P_{eq750}^{1,487}$     |
| Pacuí                       | Pacuí                          | $Q_{90} = 0,03045 P_{eq700}^{1,523}$     | $Q_{90} = 0,04284 P_{eq750}^{1,486}$     |

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Quadro 12E – Cont.

| Bacia      | Rios                            | $P_{eq700}$ M                            | $P_{eq750}$ M                             |
|------------|---------------------------------|------------------------------------------|-------------------------------------------|
| Paracatu   | Paracatu                        | $Q_{90} = 0,00329 P_{eq700}^{1,613}$     | $Q_{90} = 0,00056 P_{eq750}^{1,907}$      |
|            | Preto                           | $Q_{90} = 0,00728 P_{eq700}^{1,66}$      | $Q_{90} = 0,00252 P_{eq750}^{1,904}$      |
|            | Salobro/<br>Cana Brava          | $Q_{90} = 0,39396 e^{(P_{eq700} 0,134)}$ | $Q_{90} = 0,33208 e^{(P_{eq750} 0,162)}$  |
|            | Roncador                        | $Q_{90} = 0,00007 e^{(P_{eq700} 0,739)}$ | $Q_{90} = 0,00007 e^{(P_{eq750} 0,81)}$   |
|            | Entre-<br>ribeiros/<br>Barra da | $Q_{90} = 0,76328 e^{(P_{eq700} 0,04)}$  | $Q_{90} = 0,00497 P_{eq750}^{1,884}$      |
|            | Égua                            |                                          |                                           |
|            | São Pedro                       | $Q_{90} = 0,10864 P_{eq700}^{1,18}$      | $Q_{90} = 0,08939 P_{eq750}^{1,305}$      |
|            | Rio do<br>Sono                  | $Q_{90} = 0,0035 e^{(P_{eq700} 0,092)}$  | $Q_{90} = 0,00252 e^{(P_{eq750} 0,107)}$  |
|            | Sto<br>Antônio                  | $Q_{90} = 1,25713 P_{eq700}^{0,017}$     | $Q_{90} = 1,22458 P_{eq750}^{0,038}$      |
|            | Escuro                          | $Q_{90} = 0,65989 P_{eq700}^{0,594}$     | $Q_{90} = 1,24572 P_{eq750}^{0,394}$      |
|            | Escurinho                       | $Q_{90} = 1,99724 P_{eq700}^{0,116}$     | $Q_{90} = 0,97027 e^{(P_{eq750} 0,012)}$  |
|            | Sta Isabel                      | -                                        | -                                         |
| Urucuia    | Urucuia                         | $Q_{90} = 0,00133 P_{eq700}^{1,821}$     | $Q_{90} = 0,00259 P_{eq750}^{1,746}$      |
|            | Conceição                       | $Q_{90} = 0,22008 e^{(P_{eq700} 0,094)}$ | $Q_{90} = 0,21679 e^{(P_{eq750} 0,106)}$  |
|            | São<br>Domingos                 | $Q_{90} = 1,9936 P_{eq700}^{0,298}$      | $Q_{90} = 1,99472 P_{eq750}^{0,337}$      |
| Pandeiros  | Pandeiros                       | $Q_{90} = 1,99955 P_{eq700}^{0,358}$     | $Q_{90} = 1,99829 P_{eq750}^{0,366}$      |
| Japoré     | Japoré                          | $Q_{90} = 0,124234 P_{eq700}^{1,354226}$ | $Q_{90} = 0,1760039 P_{eq750}^{1,325245}$ |
| Carinhanha | Carinhanha                      | $Q_{90} = 1,99059 P_{eq700}^{0,528}$     | $Q_{90} = 1,99059 P_{eq750}^{0,541}$      |
|            | Itaguari                        | $Q_{90} = 1,99913 P_{eq700}^{0,325}$     | $Q_{90} = 1,99801 P_{eq750}^{0,335}$      |
|            | Coxá                            | $Q_{90} = 1,99752 P_{eq700}^{0,086}$     | $Q_{90} = 1,99766 P_{eq750}^{0,078}$      |
| Corrente   | Corrente                        | $Q_{90} = 1,99381 P_{eq700}^{0,576}$     | $Q_{90} = 1,99759 P_{eq750}^{0,589}$      |
|            | Formoso                         | $Q_{90} = 1,99836 P_{eq700}^{0,364}$     | $Q_{90} = 1,99339 P_{eq750}^{0,376}$      |
|            | Arrojado                        | $Q_{90} = 1,99325 P_{eq700}^{0,346}$     | $Q_{90} = 1,9985 P_{eq750}^{0,358}$       |
|            | Éguas/<br>Correntina            | $Q_{90} = 1,99451 P_{eq700}^{0,312}$     | $Q_{90} = 1,99654 P_{eq750}^{0,32}$       |
| Grande     | Grande                          | $Q_{90} = 1,99927 P_{eq700}^{0,633}$     | $Q_{90} = 1,9889 P_{eq750}^{0,65}$        |
|            | Preto                           | $Q_{90} = 1,99626 P_{eq700}^{0,507}$     | $Q_{90} = 1,99591 P_{eq750}^{0,526}$      |
|            | Sapão                           | $Q_{90} = 1,99283 P_{eq700}^{0,348}$     | $Q_{90} = 1,99577 P_{eq750}^{0,369}$      |
|            | Branco                          | $Q_{90} = 1,99521 P_{eq700}^{0,465}$     | $Q_{90} = 1,99157 P_{eq750}^{0,488}$      |
|            | Rio de<br>Janeiro               | $Q_{90} = 1,99766 P_{eq700}^{0,286}$     | $Q_{90} = 1,99472 P_{eq750}^{0,32}$       |
|            | Rio das<br>Ondas                | $Q_{90} = 1,99598 P_{eq700}^{0,457}$     | $Q_{90} = 1,99997 P_{eq750}^{0,481}$      |
|            | Rio das<br>Fêmeas               | $Q_{90} = 1,99598 P_{eq700}^{0,54}$      | $Q_{90} = 1,99451 P_{eq750}^{0,561}$      |
|            | Rio São<br>Desidério            | $Q_{90} = 0,00063 e^{(P_{eq700} 0,22)}$  | $Q_{90} = 0,00084 e^{(P_{eq750} 0,256)}$  |
| Paramirim  | Paramirim                       | $Q_{90} = 0,00007 e^{(P_{eq700} 0,547)}$ | $Q_{90} = 0,00007 e^{(P_{eq750} 1,949)}$  |
| Verde      | Verde                           | -                                        | -                                         |
| Jacaré     | Jacaré                          | -                                        | -                                         |

Quadro 13E – Equações de regionalização para  $Q_{7,10}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método tradicional (T)

| Regiões | A_T                                | $P_{eq}$ -T                                 |
|---------|------------------------------------|---------------------------------------------|
| 1       | $Q_{7,10} = 0,000138 A^{1,430209}$ | $Q_{7,10} = 0,006816 P_{eq}^{1,552983}$     |
| 2       | $Q_{7,10} = 0,007378 A^{0,867084}$ | $Q_{7,10} = 0,1004 P_{eq}^{0,879566}$       |
| 3       | $Q_{7,10} = 0,001151 A^{1,120246}$ | $Q_{7,10} = 0,033873 P_{eq}^{1,132829}$     |
| 4       | $Q_{7,10} = 0,000101 A^{1,283122}$ | $Q_{7,10} = 0,005952 P_{eq}^{1,298297}$     |
| 5       | $Q_{7,10} = 0,001944 A^{1,098639}$ | $Q_{7,10} = 0,062928 P_{eq}^{1,079999}$     |
| 6       | $Q_{7,10} = 0,004325 A^{0,878096}$ | $Q_{7,10} = 0,064361 P_{eq}^{0,882658}$     |
| 7       | $Q_{7,10} = 0,001269 A^{1,035643}$ | $Q_{7,10} = 0,033488 P_{eq}^{1,035208}$     |
| 8       | $Q_{7,10} = 0,006589 A^{0,820955}$ | $Q_{7,10} = 0,0824 P_{eq}^{0,834577}$       |
| 9       | $Q_{7,10} = 0,003841 A^{0,83445}$  | $Q_{7,10} = 0,059693 P_{eq}^{0,826689}$     |
| 10      | $Q_{7,10} = 0,000024 A^{1,598766}$ | $Q_{7,10} = 0,007576 P_{eq}^{1,548}$        |
| 11      | $Q_{7,10} = 0,020466 A^{0,856218}$ | $Q_{7,10} = 24,17268 e^{(P_{eq} 0,001901)}$ |
| 12      | $Q_{7,10} = 0,001474 A^{1,07782}$  | $Q_{7,10} = 0,029232 P_{eq}^{1,169519}$     |
| 13      | $Q_{7,10} = 0,035821 A^{0,77019}$  | $Q_{7,10} = 0,377711 P_{eq}^{0,799976}$     |
| 14      | $Q_{7,10} = 0,0183 A^{0,8411}$     | $Q_{7,10} = 0,2164 P_{eq}^{0,8555}$         |
| 15      | $Q_{7,10} = 2,8382 A^{0,4497}$     | $Q_{7,10} = 6,5784 P_{eq}^{0,5194}$         |

Quadro 14E – Equações de regionalização para  $Q_{7,10}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método tradicional (T)

| Regiões | $P_{eq700\_T}$                                | $P_{eq750\_T}$                                |
|---------|-----------------------------------------------|-----------------------------------------------|
| 1       | $Q_{7,10} = 0,015816 P_{eq700}^{1,587461}$    | $Q_{7,10} = 0,014394 P_{eq750}^{1,671881}$    |
| 2       | $Q_{7,10} = 0,175771 P_{eq700}^{0,883801}$    | $Q_{7,10} = 0,188167 P_{eq750}^{0,881706}$    |
| 3       | $Q_{7,10} = 0,064697 P_{eq700}^{1,156948}$    | $Q_{7,10} = 0,077747 P_{eq750}^{1,124333}$    |
| 4       | $Q_{7,10} = 0,017582 P_{eq700}^{1,300712}$    | $Q_{7,10} = 0,020298 P_{eq750}^{1,297877}$    |
| 5       | $Q_{7,10} = 0,139156 P_{eq700}^{1,061506}$    | $Q_{7,10} = 0,852695 P_{eq750}^{0,6099536}$   |
| 6       | $Q_{7,10} = 0,115221 P_{eq700}^{0,886683}$    | $Q_{7,10} = 0,122804 P_{eq750}^{0,886758}$    |
| 7       | $Q_{7,10} = 0,072214 P_{eq700}^{1,033835}$    | $Q_{7,10} = 0,079248 P_{eq750}^{1,03187}$     |
| 8       | $Q_{7,10} = 0,145982 P_{eq700}^{0,84691}$     | $Q_{7,10} = 0,155311 P_{eq750}^{0,848925}$    |
| 9       | $Q_{7,10} = 2,34906 e^{(P_{eq700} 0,005201)}$ | $Q_{7,10} = 2,33353 e^{(P_{eq750} 0,005769)}$ |
| 10      | $Q_{7,10} = 0,076215 P_{eq700}^{1,427335}$    | $Q_{7,10} = 0,1705 P_{eq750}^{1,309002}$      |
| 11      | $Q_{7,10} = 24,04988 e^{(P_{eq700} 0,00617)}$ | $Q_{7,10} = 24,02087 e^{(P_{eq750} 0,00735)}$ |
| 12      | $Q_{7,10} = 0,056638 P_{eq700}^{1,250027}$    | $Q_{7,10} = 0,063134 P_{eq750}^{1,257171}$    |
| 13      | $Q_{7,10} = 0,611791 P_{eq700}^{0,848724}$    | $Q_{7,10} = 0,63859 P_{eq750}^{0,859366}$     |
| 14      | $Q_{7,10} = 0,3455 P_{eq700}^{0,8679}$        | $Q_{7,10} = 0,3618 P_{eq750}^{0,8696}$        |
| 15      | $Q_{7,10} = 3,936 P_{eq700}^{0,6387}$         | $Q_{7,10} = 3,4732 P_{eq750}^{0,6627}$        |

Quadro 15E – Equações de regionalização para  $Q_{7,10}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Bacia                          | Rios                           | A_M                                   | $P_{eq\_M}$                               |
|--------------------------------|--------------------------------|---------------------------------------|-------------------------------------------|
| Calha do São Francisco         | Montante                       | $Q_{7,10} = 0,0183 A^{0,8411}$        | $Q_{7,10} = 0,2164 P_{eq}^{0,8555}$       |
|                                | Três Marias                    |                                       |                                           |
|                                | Entre Três Marias e Sobradinho | $Q_{7,10} = 2,8382 A^{0,4497}$        | $Q_{7,10} = 6,5784 P_{eq}^{0,5194}$       |
| Marmelada                      | Marmelada                      | $Q_{7,10} = 0,01008 e^{(A \ 0,006)}$  | $Q_{7,10} = 0,00637 e^{(P_{eq} \ 0,146)}$ |
| Jorge Grande/<br>Mateus Grande | Jorge Grande/<br>Mateus Grande | $Q_{7,10} = 0,00637 e^{(A \ 0,008)}$  | $Q_{7,10} = 0,00063 e^{(P_{eq} \ 0,239)}$ |
| BambuÍ                         | BambuÍ/<br>Perdição            | $Q_{7,10} = 0,12019 A^{0,546}$        | $Q_{7,10} = 0,41839 P_{eq}^{0,644}$       |
| São Miguel                     | São Miguel                     | $Q_{7,10} = 0,02443 e^{(A \ 0,008)}$  | $Q_{7,10} = 0,02303 e^{(P_{eq} \ 0,183)}$ |
| Ajudas                         | Ajudas                         | $Q_{7,10} = 0,00385 A^{1,017}$        | $Q_{7,10} = 0,06377 P_{eq}^{1,096}$       |
| Samburá                        | Samburá                        | $Q_{7,10} = 0,4879 A^{0,382}$         | $Q_{7,10} = 1,85493 P_{eq}^{0,325}$       |
|                                | Sto Antônio                    | $Q_{7,10} = 0,84539 e^{(A \ 0,001)}$  | $Q_{7,10} = 0,99512 e^{(P_{eq} \ 0,01)}$  |
| IndaÍa                         | IndaÍa                         | $Q_{7,10} = 0,52346 e^{(A \ 0,001)}$  | $Q_{7,10} = 0,00196 P_{eq}^{1,714}$       |
| Borrachudo                     | Borrachudo                     | $Q_{7,10} = 0,00007 A^{1,493}$        | $Q_{7,10} = 0,40397 e^{(P_{eq} \ 0,032)}$ |
| Dos Tiros                      | Dos Tiros                      | $Q_{7,10} = 0,05257 e^{(A \ 0,001)}$  | $Q_{7,10} = 0,19607 e^{(P_{eq} \ 0,018)}$ |
| Pará                           | Rib. Areado                    | -                                     | -                                         |
|                                | Pará                           | $Q_{7,10} = 0,00539 A^{0,944}$        | $Q_{7,10} = 0,08211 P_{eq}^{0,972}$       |
|                                | Itapecerica (Rib. Boa Vista)   | $Q_{7,10} = 0,09527 e^{(A \ 0,002)}$  | $Q_{7,10} = 0,25886 e^{(P_{eq} \ 0,033)}$ |
|                                | Lambari                        | $Q_{7,10} = 0,84546 e^{(A \ 0,001)}$  | $Q_{7,10} = 0,66584 e^{(P_{eq} \ 0,025)}$ |
|                                | Picão                          | $Q_{7,10} = 0,17535 e^{(A \ 0,003)}$  | $Q_{7,10} = 0,33257 e^{(P_{eq} \ 0,053)}$ |
| Paraopeba                      | São João                       | $Q_{7,10} = 0,0371 A^{0,662}$         | $Q_{7,10} = 0,21168 P_{eq}^{0,734}$       |
|                                | Paraopeba                      | $Q_{7,10} = 0,00616 A^{0,921}$        | $Q_{7,10} = 0,11144 P_{eq}^{0,912}$       |
|                                | Mateus Leme                    | $Q_{7,10} = 0,00007 A^{1,593}$        | $Q_{7,10} = 0,00938 P_{eq}^{1,584}$       |
|                                | Serra Azul                     | $Q_{7,10} = 0,00063 A^{1,304}$        | $Q_{7,10} = 0,03136 P_{eq}^{1,332}$       |
|                                | Brumado/<br>Camapuã            | $Q_{7,10} = 0,00028 A^{1,344}$        | $Q_{7,10} = 0,01442 P_{eq}^{1,4}$         |
| Das Velhas                     | Velhas                         | $Q_{7,10} = 0,03465 A^{0,748}$        | $Q_{7,10} = 0,1932 P_{eq}^{0,854}$        |
|                                | Bicudo                         | $Q_{7,10} = 0,059921 e^{(A \ 0,002)}$ | $Q_{7,10} = 0,00028 e^{(P_{eq} \ 0,125)}$ |
|                                | CurimataÍ                      | $Q_{7,10} = 0,07959 e^{(A \ 0,002)}$  | $Q_{7,10} = 0,10878 e^{(P_{eq} \ 0,056)}$ |
|                                | Picão                          | $Q_{7,10} = 0,00588 e^{(A \ 0,007)}$  | $Q_{7,10} = 0,00021 e^{(P_{eq} \ 0,304)}$ |
|                                | Paraúna (Parauninha)           | $Q_{7,10} = 0,00028 A^{1,253}$        | $Q_{7,10} = 0,9422 e^{(P_{eq} \ 0,014)}$  |
|                                | Jequitibá                      | $Q_{7,10} = 0,00399 A^{0,947}$        | $Q_{7,10} = 0,39158 e^{(P_{eq} \ 0,06)}$  |
|                                | Jabuticatubas                  | $Q_{7,10} = 0,00539 e^{(A \ 0,01)}$   | $Q_{7,10} = 0,00175 e^{(P_{eq} \ 0,284)}$ |
|                                | Mata                           | $Q_{7,10} = 0,10066 e^{(A \ 0,004)}$  | $Q_{7,10} = 0,07462 e^{(P_{eq} \ 0,101)}$ |
|                                | Taquaraçu                      | $Q_{7,10} = 0,23604 e^{(A \ 0,003)}$  | $Q_{7,10} = 0,13825 e^{(P_{eq} \ 0,084)}$ |
| Verde Grande                   | Itabirito                      | $Q_{7,10} = 1,99878 A^{0,043}$        | $Q_{7,10} = 1,9943 P_{eq}^{0,059}$        |
|                                | Verde Grande                   | $Q_{7,10} = 0,00035 A^{1,139}$        | $Q_{7,10} = 0,0973 e^{(P_{eq} \ 0,007)}$  |
| JequitaÍ                       | JequitaÍ                       | $Q_{7,10} = 0,00035 A^{1,209}$        | $Q_{7,10} = 0,08218 e^{(P_{eq} \ 0,019)}$ |
| PacuÍ                          | PacuÍ                          | $Q_{7,10} = 0,15561 e^{(A \ 0,001)}$  | $Q_{7,10} = 0,00084 P_{eq}^{1,875}$       |

Continua...

Quadro 15E – Cont.

| Bacia      | Rios                                    | A_M                                  | P <sub>eq</sub> _M                        |
|------------|-----------------------------------------|--------------------------------------|-------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{7,10} = 0,00049 A^{1,13}$        | $Q_{7,10} = 0,00105 P_{eq}^{1,528}$       |
|            | Preto                                   | $Q_{7,10} = 0,00091 A^{1,088}$       | $Q_{7,10} = 0,00084 P_{eq}^{1,712}$       |
|            | Salobro/<br>Cana Brava                  | $Q_{7,10} = 0,00427 A^{0,904}$       | $Q_{7,10} = 0,00994 P_{eq}^{1,553}$       |
|            | Roncador                                | $Q_{7,10} = 0,00742 e^{(A^{0,007})}$ | $Q_{7,10} = 0,00014 e^{(P_{eq}^{0,304})}$ |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{7,10} = 0,16212 e^{(A^{0,001})}$ | $Q_{7,10} = 0,29393 e^{(P_{eq}^{0,021})}$ |
|            | São Pedro                               | $Q_{7,10} = 0,00119 A^{1,064}$       | $Q_{7,10} = 0,01995 P_{eq}^{1,228}$       |
|            | Rio do Sono                             | $Q_{7,10} = 0,03829 e^{(A^{0,001})}$ | $Q_{7,10} = 0,01253 e^{(P_{eq}^{0,032})}$ |
|            | Sto Antônio                             | $Q_{7,10} = 0,26138 A^{0,208}$       | $Q_{7,10} = 0,503021 P_{eq}^{0,203}$      |
|            | Escuro                                  | $Q_{7,10} = 0,00441 A^{0,885}$       | $Q_{7,10} = 0,12607 P_{eq}^{0,724}$       |
|            | Escurinho                               | $Q_{7,10} = 0,05257 e^{(A^{0,002})}$ | $Q_{7,10} = 1,99836 P_{eq}^{0,011}$       |
| Urucuia    | Sta Isabel                              | $Q_{7,10} = 0,02051 A^{0,579}$       | $Q_{7,10} = 0,01267 P_{eq}^{0,145}$       |
|            | Urucuia                                 | $Q_{7,10} = 0,00217 A^{0,976}$       | $Q_{7,10} = 0,00028 P_{eq}^{1,75}$        |
|            | Conceição                               | $Q_{7,10} = 0,23688 e^{(A^{0,001})}$ | $Q_{7,10} = 0,13601 e^{(P_{eq}^{0,037})}$ |
| Pandeiros  | São Domingos                            | $Q_{7,10} = 0,22295 e^{(A^{0,001})}$ | $Q_{7,10} = 1,9934 P_{eq}^{0,122}$        |
|            | Pandeiros                               | $Q_{7,10} = 1,98744 A^{0,145}$       | $Q_{7,10} = 1,99864 P_{eq}^{0,233}$       |
| Japoré     | Japoré                                  | $Q_{7,10} = 0,00007 A^{1,399}$       | $Q_{7,10} = 0,01435 P_{eq}^{1,278}$       |
| Carinhanha | Carinhanha                              | $Q_{7,10} = 1,98863 A^{0,253}$       | $Q_{7,10} = 1,99675 P_{eq}^{0,389}$       |
|            | Itaguari                                | $Q_{7,10} = 1,99346 A^{0,068}$       | $Q_{7,10} = 1,99549 P_{eq}^{0,171}$       |
|            | Coxá                                    | $Q_{7,10} = 0,05327 e^{(A^{0,001})}$ | $Q_{7,10} = 0,98476 e^{(P_{eq}^{0,006})}$ |
| Corrente   | Corrente                                | $Q_{7,10} = 1,97967 A^{0,296}$       | $Q_{7,10} = 1,99528 P_{eq}^{0,441}$       |
|            | Formoso                                 | $Q_{7,10} = 1,9964 A^{0,094}$        | $Q_{7,10} = 1,9943 P_{eq}^{0,209}$        |
|            | Arrojado                                | $Q_{7,10} = 1,99689 A^{0,079}$       | $Q_{7,10} = 1,99465 P_{eq}^{0,186}$       |
|            | Éguas/<br>Correntina                    | $Q_{7,10} = 1,97428 A^{0,066}$       | $Q_{7,10} = 1,98394 P_{eq}^{0,16}$        |
| Grande     | Grande                                  | $Q_{7,10} = 1,99276 A^{0,332}$       | $Q_{7,10} = 1,98499 P_{eq}^{0,49}$        |
|            | Preto                                   | $Q_{7,10} = 1,9838 A^{0,18}$         | $Q_{7,10} = 1,99668 P_{eq}^{0,332}$       |
|            | Sapão                                   | -                                    | $Q_{7,10} = 1,99311 P_{eq}^{0,133}$       |
|            | Branco                                  | $Q_{7,10} = 1,99416 A^{0,12}$        | $Q_{7,10} = 1,98933 P_{eq}^{0,265}$       |
|            | Rio de Janeiro                          | -                                    | $Q_{7,10} = 0,90804 e^{(P_{eq}^{0,004})}$ |
|            | Rio das Ondas                           | $Q_{7,10} = 1,99787 A^{0,102}$       | $Q_{7,10} = 1,99983 P_{eq}^{0,247}$       |
|            | Rio das Fêmeas                          | $Q_{7,10} = 1,99164 A^{0,198}$       | $Q_{7,10} = 1,9929 P_{eq}^{0,357}$        |
|            | Rio São Desidério                       | $Q_{7,10} = 0,05327 e^{(A^{0,001})}$ | $Q_{7,10} = 0,00133 e^{(P_{eq}^{0,058})}$ |
| Paramirim  | Paramirim                               | $Q_{7,10} = 0,00007 A^{1,288}$       | $Q_{7,10} = 0,01218 e^{(P_{eq}^{0,018})}$ |
| Verde      | Verde                                   | $Q_{7,10} = 0,00007 A^{1,285}$       | $Q_{7,10} = 0,00133 e^{(P_{eq}^{0,038})}$ |
| Jacaré     | Jacaré                                  | $Q_{7,10} = 0,00021 A^{1,155}$       | $Q_{7,10} = 0,00308 e^{(P_{eq}^{0,022})}$ |

Quadro 16E – Equações de regionalização para  $Q_{7,10}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | $P_{eq700\_M}$                              | $P_{eq750\_M}$                             |
|-----------------------------|--------------------------------|---------------------------------------------|--------------------------------------------|
| Calha do São Francisco      | Montante Três Marias           | $Q_{7,10} = 0,3455 P_{eq700}^{0,8679}$      | $Q_{7,10} = 0,3618 P_{eq750}^{0,8696}$     |
|                             | Entre Três Marias e Sobradinho | $Q_{7,10} = 3,936 P_{eq700}^{0,6387}$       | $Q_{7,10} = 3,4732 P_{eq750}^{0,6627}$     |
| Marmelada                   | Marmelada                      | $Q_{7,10} = 0,0042 e^{(P_{eq700} 0,31)}$    | $Q_{7,10} = 0,01253 e^{(P_{eq750} 0,277)}$ |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{7,10} = 0,00021 e^{(P_{eq700} 0,52)}$   | $Q_{7,10} = 0,00077 e^{(P_{eq750} 0,48)}$  |
| BambuÍ                      | BambuÍ/ Perdição               | $Q_{7,10} = 0,49301 P_{eq700}^{0,709}$      | $Q_{7,10} = 0,49728 P_{eq750}^{0,719}$     |
| São Miguel                  | São Miguel                     | $Q_{7,10} = 0,02499 e^{(P_{eq700} 0,358)}$  | $Q_{7,10} = 0,02485 e^{(P_{eq750} 0,386)}$ |
| Ajudas                      | Ajudas                         | $Q_{7,10} = 0,11641 P_{eq700}^{1,12}$       | $Q_{7,10} = 0,12285 P_{eq750}^{1,126}$     |
| Samburá                     | Samburá                        | $Q_{7,10} = 1,16011 P_{eq700}^{0,531}$      | $Q_{7,10} = 1,16088 P_{eq750}^{0,54}$      |
|                             | Sto Antônio                    | $Q_{7,10} = 1,9943 P_{eq700}^{0,097}$       | $Q_{7,10} = 1,99836 P_{eq750}^{0,104}$     |
| IndaÍa                      | IndaÍa                         | $Q_{7,10} = 0,00385 P_{eq700}^{1,815}$      | $Q_{7,10} = 0,00413 P_{eq750}^{1,828}$     |
| Borrachudo                  | Borrachudo                     | $Q_{7,10} = 0,33565 e^{(P_{eq700} 0,068)}$  | $Q_{7,10} = 0,32529 e^{(P_{eq750} 0,074)}$ |
| Dos Tiros                   | Dos Tiros                      | $Q_{7,10} = 0,04438 e^{(P_{eq700} 0,049)}$  | $Q_{7,10} = 0,0448 e^{(P_{eq750} 0,053)}$  |
|                             | Rib. Areado                    | $Q_{7,10} = 0,98973 e^{(P_{eq700} 0,008)}$  | $Q_{7,10} = 0,9891 e^{(P_{eq750} 0,01)}$   |
| Pará                        | Pará                           | $Q_{7,10} = 0,13503 P_{eq700}^{0,996}$      | $Q_{7,10} = 0,14063 P_{eq750}^{1,001}$     |
|                             | Itapecerica (Rib. Boa Vista)   | $Q_{7,10} = 0,25312 e^{(P_{eq700} 0,064)}$  | $Q_{7,10} = 0,24745 e^{(P_{eq750} 0,069)}$ |
|                             | Lambari                        | $Q_{7,10} = 0,54502 e^{(P_{eq700} 0,054)}$  | $Q_{7,10} = 0,54271 e^{(P_{eq750} 0,058)}$ |
|                             | Picão                          | $Q_{7,10} = 0,44758 e^{(P_{eq700} 0,093)}$  | $Q_{7,10} = 0,04571 P_{eq750}^{1,407}$     |
|                             | São João                       | $Q_{7,10} = 0,25935 P_{eq700}^{0,814}$      | $Q_{7,10} = 0,16947 P_{eq750}^{0,965}$     |
| Paraopeba                   | Paraopeba                      | $Q_{7,10} = 0,20209 P_{eq700}^{0,913}$      | $Q_{7,10} = 0,22211 P_{eq750}^{0,907}$     |
|                             | Mateus Leme                    | $Q_{7,10} = 0,02422 P_{eq700}^{1,609}$      | $Q_{7,10} = 0,02744 P_{eq750}^{1,601}$     |
|                             | Serra Azul                     | $Q_{7,10} = 0,04326 e^{(P_{eq700} 0,403)}$  | $Q_{7,10} = 0,04319 e^{(P_{eq750} 0,429)}$ |
|                             | Brumado/ Camapuã               | $Q_{7,10} = 0,03234 P_{eq700}^{1,434}$      | $Q_{7,10} = 0,00812 e^{(P_{eq750} 0,449)}$ |
| Das Velhas                  | Velhas                         | $Q_{7,10} = 0,12838 P_{eq700}^{1,051}$      | $Q_{7,10} = 0,11046 P_{eq750}^{1,096}$     |
|                             | Bicudo                         | $Q_{7,10} = 0,00287 e^{(P_{eq700} 0,251)}$  | $Q_{7,10} = 0,00035 e^{(P_{eq750} 0,363)}$ |
|                             | CurimataÍ                      | $Q_{7,10} = 0,115781 e^{(P_{eq700} 0,171)}$ | $Q_{7,10} = 0,11823 e^{(P_{eq750} 0,2)}$   |
|                             | Picão                          | $Q_{7,10} = 0,00007 e^{(P_{eq700} 0,894)}$  | $Q_{7,10} = 0,00007 e^{(P_{eq750} 1,011)}$ |
|                             | Paraúna (Parauninha)           | $Q_{7,10} = 0,09779 e^{(P_{eq700} 0,062)}$  | $Q_{7,10} = 0,05677 e^{(P_{eq750} 0,076)}$ |
|                             | Jequitibá                      | $Q_{7,10} = 0,32655 e^{(P_{eq700} 0,155)}$  | $Q_{7,10} = 0,3164 e^{(P_{eq750} 0,174)}$  |
|                             | Jabuticatubas                  | $Q_{7,10} = 0,00056 e^{(P_{eq700} 0,702)}$  | $Q_{7,10} = 0,00042 e^{(P_{eq750} 0,79)}$  |
|                             | Mata                           | $Q_{7,10} = 0,06902 e^{(P_{eq700} 0,214)}$  | $Q_{7,10} = 0,06776 e^{(P_{eq750} 0,233)}$ |
|                             | Taquaraçu                      | $Q_{7,10} = 0,06181 e^{(P_{eq700} 0,217)}$  | $Q_{7,10} = 0,05418 e^{(P_{eq750} 0,242)}$ |
| Verde Grande                | Itabirito                      | $Q_{7,10} = 1,99976 P_{eq700}^{0,002}$      | $Q_{7,10} = 0,99995 e^{(P_{eq750} 0,054)}$ |
|                             | Verde Grande                   | $Q_{7,10} = 0,01862 e^{(P_{eq700} 0,043)}$  | $Q_{7,10} = 0,00084 e^{(P_{eq750} 0,085)}$ |
|                             | Jequitai                       | $Q_{7,10} = 0,0952 e^{(P_{eq700} 0,055)}$   | $Q_{7,10} = 0,01183 P_{eq750}^{1,529}$     |
| Pacuí                       | Pacuí                          | $Q_{7,10} = 0,0098 P_{eq700}^{1,745}$       | $Q_{7,10} = 0,01442 P_{eq750}^{1,705}$     |

Continua...

Quadro 16E – Cont.

| Bacia      | Rios                                    | $P_{eq700\_M}$                             | $P_{eq750\_M}$                             |
|------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{7,10} = 0,01134 P_{eq700}^{1,384}$     | $Q_{7,10} = 0,00028 P_{eq750}^{1,965}$     |
|            | Preto                                   | $Q_{7,10} = 0,99568 e^{(P_{eq700} 0,018)}$ | $Q_{7,10} = 0,84973 e^{(P_{eq750} 0,021)}$ |
|            | Salobro/<br>Cana Brava                  | $Q_{7,10} = 0,28203 e^{(P_{eq700} 0,14)}$  | $Q_{7,10} = 0,24899 e^{(P_{eq750} 0,165)}$ |
|            | Roncador                                | $Q_{7,10} = 0,00007 e^{(P_{eq700} 0,708)}$ | $Q_{7,10} = 0,00007 e^{(P_{eq750} 0,778)}$ |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{7,10} = 0,2436 e^{(P_{eq700} 0,052)}$  | $Q_{7,10} = 0,2471 e^{(P_{eq750} 0,055)}$  |
|            | São Pedro                               | $Q_{7,10} = 0,39487 e^{(P_{eq700} 0,077)}$ | $Q_{7,10} = 0,0287 P_{eq750}^{1,49}$       |
|            | Rio do Sono                             | $Q_{7,10} = 0,00154 e^{(P_{eq700} 0,096)}$ | $Q_{7,10} = 0,00007 e^{(P_{eq750} 0,144)}$ |
|            | Sto Antônio                             | -                                          | -                                          |
|            | Escuro                                  | $Q_{7,10} = 0,04739 P_{eq700}^{1,163}$     | $Q_{7,10} = 0,27587 P_{eq750}^{0,641}$     |
|            | Escurinho                               | $Q_{7,10} = 0,0028 e^{(P_{eq700} 0,165)}$  | $Q_{7,10} = 0,97027 e^{(P_{eq750} 0,012)}$ |
| Urucuia    | Sta Isabel                              | $Q_{7,10} = 0,18571 P_{eq700}^{0,569}$     | -                                          |
|            | Urucuia                                 | $Q_{7,10} = 0,00035 P_{eq700}^{1,99}$      | $Q_{7,10} = 0,0007 P_{eq750}^{1,913}$      |
|            | Conceição                               | $Q_{7,10} = 0,06846 e^{(P_{eq700} 0,115)}$ | $Q_{7,10} = 0,06664 e^{(P_{eq750} 0,13)}$  |
|            | São<br>Domingos                         | $Q_{7,10} = 0,16156 e^{(P_{eq700} 0,05)}$  | $Q_{7,10} = 0,00378 e^{(P_{eq750} 0,121)}$ |
| Pandeiros  | Pandeiros                               | $Q_{7,10} = 1,99444 P_{eq700}^{0,273}$     | $Q_{7,10} = 1,9985 P_{eq750}^{0,276}$      |
| Japoré     | Japoré                                  | $Q_{7,10} = 0,13048 P_{eq700}^{0,998}$     | $Q_{7,10} = 0,18767 P_{eq750}^{0,898}$     |
| Carinhanha | Carinhanha                              | $Q_{7,10} = 1,99304 P_{eq700}^{0,465}$     | $Q_{7,10} = 1,99899 P_{eq750}^{0,475}$     |
|            | Itaguari                                | $Q_{7,10} = 1,99738 P_{eq700}^{0,226}$     | $Q_{7,10} = 1,98436 P_{eq750}^{0,232}$     |
|            | Coxá                                    | $Q_{7,10} = 0,99995 e^{(P_{eq700} 0,02)}$  | $Q_{7,10} = 0,98861 e^{(P_{eq750} 0,023)}$ |
| Corrente   | Corrente                                | $Q_{7,10} = 1,99395 P_{eq700}^{0,52}$      | $Q_{7,10} = 1,99549 e^{(P_{eq750} 0,478)}$ |
|            | Formoso                                 | $Q_{7,10} = 1,99493 P_{eq700}^{0,274}$     | $Q_{7,10} = 1,99493 P_{eq750}^{0,192}$     |
|            | Arrojado                                | $Q_{7,10} = 1,99934 P_{eq700}^{0,252}$     | $Q_{7,10} = 1,9999 P_{eq750}^{0,168}$      |
|            | Éguas/<br>Correntina                    | $Q_{7,10} = 1,99668 P_{eq700}^{0,211}$     | $Q_{7,10} = 1,99332 P_{eq750}^{0,118}$     |
| Grande     | Grande                                  | $Q_{7,10} = 1,99374 P_{eq700}^{0,585}$     | $Q_{7,10} = 1,99164 P_{eq750}^{0,6}$       |
|            | Preto                                   | $Q_{7,10} = 0,90216 e^{(P_{eq700} 0,01)}$  | $Q_{7,10} = 1,98933 P_{eq750}^{0,456}$     |
|            | Sapão                                   | $Q_{7,10} = 1,98345 P_{eq700}^{0,09}$      | $Q_{7,10} = 1,99304 P_{eq750}^{0,265}$     |
|            | Branco                                  | $Q_{7,10} = 1,99143 P_{eq700}^{0,391}$     | $Q_{7,10} = 1,99094 P_{eq750}^{0,412}$     |
|            | Rio de<br>Janeiro                       | $Q_{7,10} = 1,99339 P_{eq700}^{0,173}$     | $Q_{7,10} = 1,99325 P_{eq750}^{0,205}$     |
|            | Rio das<br>Ondas                        | $Q_{7,10} = 1,99689 P_{eq700}^{0,381}$     | $Q_{7,10} = 1,995 P_{eq750}^{0,404}$       |
|            | Rio das<br>Fêmeas                       | $Q_{7,10} = 1,99997 P_{eq700}^{0,475}$     | $Q_{7,10} = 1,99402 P_{eq750}^{0,495}$     |
|            | Rio São<br>Desidério                    | $Q_{7,10} = 0,00049 e^{(P_{eq700} 0,218)}$ | $Q_{7,10} = 0,00042 e^{(P_{eq750} 0,266)}$ |
| Paramirim  | Paramirim                               | $Q_{7,10} = 0,00014 e^{(P_{eq700} 0,495)}$ | $Q_{7,10} = 0,00007 e^{(P_{eq750} 1,881)}$ |
| Verde      | Verde                                   | -                                          | -                                          |
| Jacaré     | Jacaré                                  | -                                          | -                                          |

Quadro 17E – Equações de regionalização para  $Q_{95\text{jan}}$  selecionadas para as regiões homogêneas em função da A e da  $P_{\text{eq}}$  pelo método tradicional (T)

| Regiões | A_T                                        | $P_{\text{eq\_T}}$                                     |
|---------|--------------------------------------------|--------------------------------------------------------|
| 1       | $Q_{95\text{jan}} = 0,004081 A^{1,158454}$ | $Q_{95\text{jan}} = 0,132614 P_{\text{eq}}^{1,159595}$ |
| 2       | $Q_{95\text{jan}} = 0,00539 A^{1,058059}$  | $Q_{95\text{jan}} = 0,144006 P_{\text{eq}}^{1,049691}$ |
| 3       | $Q_{95\text{jan}} = 0,008664 A^{1,03493}$  | $Q_{95\text{jan}} = 0,197012 P_{\text{eq}}^{1,046808}$ |
| 4       | $Q_{95\text{jan}} = 0,002081 A^{1,124057}$ | $Q_{95\text{jan}} = 0,081614 P_{\text{eq}}^{1,116674}$ |
| 5       | $Q_{95\text{jan}} = 0,009316 A^{1,011372}$ | $Q_{95\text{jan}} = 0,229752 P_{\text{eq}}^{0,993227}$ |
| 6       | $Q_{95\text{jan}} = 0,013559 A^{0,922918}$ | $Q_{95\text{jan}} = 0,23173 P_{\text{eq}}^{0,927557}$  |
| 7       | $Q_{95\text{jan}} = 0,001525 A^{1,176992}$ | $Q_{95\text{jan}} = 0,063499 P_{\text{eq}}^{1,174445}$ |
| 8       | $Q_{95\text{jan}} = 0,011098 A^{0,939131}$ | $Q_{95\text{jan}} = 0,202257 P_{\text{eq}}^{0,952562}$ |
| 9       | $Q_{95\text{jan}} = 0,004486 A^{1,006062}$ | $Q_{95\text{jan}} = 0,102271 P_{\text{eq}}^{1,026846}$ |
| 10      | $Q_{95\text{jan}} = 0,000106 A^{1,471931}$ | $Q_{95\text{jan}} = 0,021295 P_{\text{eq}}^{1,42502}$  |
| 11      | $Q_{95\text{jan}} = 0,023565 A^{0,871602}$ | $Q_{95\text{jan}} = 0,461499 P_{\text{eq}}^{0,874722}$ |
| 12      | $Q_{95\text{jan}} = 0,006149 A^{0,977176}$ | $Q_{95\text{jan}} = 0,077779 P_{\text{eq}}^{1,085896}$ |
| 13      | $Q_{95\text{jan}} = 0,006149 A^{0,977176}$ | $Q_{95\text{jan}} = 0,285719 P_{\text{eq}}^{0,891714}$ |
| 14      | $Q_{95\text{jan}} = 0,0578 A^{0,8254}$     | $Q_{95\text{jan}} = 0,5478 P_{\text{eq}}^{0,8744}$     |

Quadro 18E – Equações de regionalização para  $Q_{95\text{jan}}$  selecionadas para as regiões homogêneas em função da  $P_{\text{eq}700}$  e da  $P_{\text{eq}750}$  pelo método tradicional (T)

| Regiões | (P-700)_T                                                 | (P-750)_T                                                 |
|---------|-----------------------------------------------------------|-----------------------------------------------------------|
| 1       | $Q_{95\text{jan}} = 0,291364 P_{\text{eq}700}^{1,125954}$ | $Q_{95\text{jan}} = 0,30241 P_{\text{eq}750}^{1,145715}$  |
| 2       | $Q_{95\text{jan}} = 0,303402 P_{\text{eq}700}^{1,033222}$ | $Q_{95\text{jan}} = 0,330295 P_{\text{eq}750}^{1,029272}$ |
| 3       | $Q_{95\text{jan}} = 0,359042 P_{\text{eq}700}^{1,068083}$ | $Q_{95\text{jan}} = 0,422233 P_{\text{eq}750}^{1,04156}$  |
| 4       | $Q_{95\text{jan}} = 0,226693 P_{\text{eq}700}^{1,095008}$ | $Q_{95\text{jan}} = 0,259979 P_{\text{eq}750}^{1,088261}$ |
| 5       | $Q_{95\text{jan}} = 0,478691 P_{\text{eq}700}^{0,974997}$ | $Q_{95\text{jan}} = 0,519027 P_{\text{eq}750}^{0,971724}$ |
| 6       | $Q_{95\text{jan}} = 0,427557 P_{\text{eq}700}^{0,931642}$ | $Q_{95\text{jan}} = 0,45706 P_{\text{eq}750}^{0,931787}$  |
| 7       | $Q_{95\text{jan}} = 0,153057 P_{\text{eq}700}^{1,17077}$  | $Q_{95\text{jan}} = 0,17029 P_{\text{eq}750}^{1,168154}$  |
| 8       | $Q_{95\text{jan}} = 0,393445 P_{\text{eq}700}^{0,964219}$ | $Q_{95\text{jan}} = 0,423145 P_{\text{eq}750}^{0,966064}$ |
| 9       | $Q_{95\text{jan}} = 0,22255 P_{\text{eq}700}^{1,040479}$  | $Q_{95\text{jan}} = 0,244132 P_{\text{eq}750}^{1,041928}$ |
| 10      | $Q_{95\text{jan}} = 0,178572 P_{\text{eq}700}^{1,313573}$ | $Q_{95\text{jan}} = 0,250361 P_{\text{eq}750}^{1,285453}$ |
| 11      | $Q_{95\text{jan}} = 1,546615 P_{\text{eq}700}^{0,852306}$ | $Q_{95\text{jan}} = 1,435941 P_{\text{eq}750}^{0,882318}$ |
| 12      | $Q_{95\text{jan}} = 0,136578 P_{\text{eq}700}^{1,170843}$ | $Q_{95\text{jan}} = 0,149854 P_{\text{eq}750}^{1,179362}$ |
| 13      | $Q_{95\text{jan}} = 0,494548 P_{\text{eq}700}^{0,944055}$ | $Q_{95\text{jan}} = 0,519886 P_{\text{eq}750}^{0,955471}$ |
| 14      | $Q_{95\text{jan}} = 0,721 P_{\text{eq}700}^{0,9341}$      | $Q_{95\text{jan}} = 0,7319 P_{\text{eq}750}^{0,9444}$     |

Quadro 19E – Equações de regionalização para  $Q_{95jan}$  selecionadas para as regiões homogêneas em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | A_M                                 | $P_{eq\_M}$                              |
|-----------------------------|--------------------------------|-------------------------------------|------------------------------------------|
| Calha do São Francisco      | Montante Sobradinho            | $Q_{95jan} = 0,006149 A^{0,977176}$ | $Q_{95jan} = 0,285719 P_{eq}^{0,891714}$ |
|                             | Entre Três Marias e Sobradinho | $Q_{95jan} = 0,0578 A^{0,8254}$     | $Q_{95jan} = 0,5478 P_{eq}^{0,8744}$     |
| Marmelada                   | Marmelada                      | $Q_{95jan} = 0,00007 A^{1,692}$     | $Q_{95jan} = 0,60144 e^{(P_{eq} 0,063)}$ |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{95jan} = 0,00014 A^{1,634}$     | $Q_{95jan} = 0,65779 e^{(P_{eq} 0,07)}$  |
| BambuÍ                      | BambuÍ/ Perdição               | $Q_{95jan} = 0,06524 A^{0,756}$     | $Q_{95jan} = 0,3507 P_{eq}^{0,909}$      |
| São Miguel                  | São Miguel                     | $Q_{95jan} = 0,00126 A^{1,335}$     | $Q_{95jan} = 0,08638 P_{eq}^{1,319}$     |
| Ajudas                      | Ajudas                         | $Q_{95jan} = 0,04179 A^{0,809}$     | $Q_{95jan} = 0,39851 P_{eq}^{0,875}$     |
| Samburá                     | Samburá                        | $Q_{95jan} = 0,13188 A^{0,692}$     | $Q_{95jan} = 1,59082 P_{eq}^{0,567}$     |
|                             | Sto Antônio                    | $Q_{95jan} = 1,99164 A^{0,214}$     | $Q_{95jan} = 1,99787 P_{eq}^{0,304}$     |
| IndaÍa                      | IndaÍa                         | $Q_{95jan} = 0,45339 A^{0,476}$     | $Q_{95jan} = 0,85694 P_{eq}^{0,683}$     |
| Borrachudo                  | Borrachudo                     | $Q_{95jan} = 0,58982 A^{0,409}$     | $Q_{95jan} = 0,79793 P_{eq}^{0,66}$      |
| Dos Tiros                   | Dos Tiros                      | $Q_{95jan} = 0,41629 A^{0,531}$     | $Q_{95jan} = 0,12957 P_{eq}^{1,059}$     |
|                             | Rib. Areado                    | $Q_{95jan} = 0,00035 A^{1,387}$     | $Q_{95jan} = 1,99689 P_{eq}^{0,243}$     |
| Pará                        | Pará                           | $Q_{95jan} = 0,00441 A^{1,069}$     | $Q_{95jan} = 0,06741 P_{eq}^{1,174}$     |
|                             | Itapecerica (Rib. Boa Vista)   | $Q_{95jan} = 0,03038 A^{0,831}$     | $Q_{95jan} = 0,20573 P_{eq}^{0,986}$     |
|                             | Lambari                        | $Q_{95jan} = 0,02331 A^{0,872}$     | $Q_{95jan} = 0,92827 e^{(P_{eq} 0,035)}$ |
|                             | Picão                          | $Q_{95jan} = 0,00021 A^{1,55}$      | $Q_{95jan} = 0,94087 e^{(P_{eq} 0,059)}$ |
|                             | São João                       | $Q_{95jan} = 0,00252 A^{1,168}$     | $Q_{95jan} = 0,03787 P_{eq}^{1,399}$     |
| Paraopeba                   | Paraopeba                      | $Q_{95jan} = 0,07427 A^{0,761}$     | $Q_{95jan} = 0,56392 P_{eq}^{0,829}$     |
|                             | Mateus Leme                    | $Q_{95jan} = 0,02044 A^{0,83}$      | $Q_{95jan} = 0,22498 P_{eq}^{0,925}$     |
|                             | Serra Azul                     | $Q_{95jan} = 0,01974 A^{0,801}$     | $Q_{95jan} = 0,21021 P_{eq}^{0,919}$     |
|                             | Brumado/ Camapuã               | $Q_{95jan} = 0,03416 A^{0,814}$     | $Q_{95jan} = 0,28665 P_{eq}^{0,93}$      |
| Das Velhas                  | Velhas                         | $Q_{95jan} = 0,07266 A^{0,767}$     | $Q_{95jan} = 0,51345 P_{eq}^{0,844}$     |
|                             | Bicudo                         | $Q_{95jan} = 0,0021 e^{(A 0,004)}$  | $Q_{95jan} = 0,00714 e^{(P_{eq} 0,095)}$ |
|                             | CurimataÍ                      | $Q_{95jan} = 0,00021 A^{1,431}$     | $Q_{95jan} = 0,01064 P_{eq}^{1,64}$      |
|                             | Picão                          | $Q_{95jan} = 0,03514 e^{(A 0,006)}$ | $Q_{95jan} = 0,05166 e^{(P_{eq} 0,151)}$ |
|                             | ParaÍuna (Parauninha)          | $Q_{95jan} = 1,99129 A^{0,311}$     | $Q_{95jan} = 1,9992 P_{eq}^{0,515}$      |
|                             | Jequitibá                      | $Q_{95jan} = 0,00399 A^{1,091}$     | $Q_{95jan} = 0,81095 e^{(P_{eq} 0,067)}$ |
|                             | Jabuticatubas                  | $Q_{95jan} = 0,43246 e^{(A 0,004)}$ | $Q_{95jan} = 0,27839 e^{(P_{eq} 0,114)}$ |
|                             | Mata                           | $Q_{95jan} = 0,58156 e^{(A 0,003)}$ | $Q_{95jan} = 0,42833 e^{(P_{eq} 0,078)}$ |
|                             | Taquaraçu                      | $Q_{95jan} = 1,52306 A^{0,211}$     | $Q_{95jan} = 0,98028 P_{eq}^{0,54}$      |
|                             | Itabirito                      | $Q_{95jan} = 1,37816 A^{0,243}$     | $Q_{95jan} = 1,99689 P_{eq}^{0,348}$     |
| Verde Grande                | Verde Grande                   | $Q_{95jan} = 0,00672 A^{0,982}$     | $Q_{95jan} = 0,00476 e^{(P_{eq} 0,012)}$ |
| Jequitai                    | Jequitai                       | $Q_{95jan} = 0,00238 A^{1,11}$      | $Q_{95jan} = 0,00735 P_{eq}^{1,554}$     |
| PacuÍ                       | PacuÍ                          | $Q_{95jan} = 0,44646 e^{(A 0,001)}$ | $Q_{95jan} = 0,60501 e^{(P_{eq} 0,027)}$ |

Continua...

Quadro 19E – Cont.

| Bacia      | Rios                                    | A_M                                   | P <sub>eq</sub> _M                         |
|------------|-----------------------------------------|---------------------------------------|--------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{95jan} = 0,01967 A^{0,891}$       | $Q_{95jan} = 0,07756 P_{eq}^{1,099}$       |
|            | Preto                                   | $Q_{95jan} = 0,25476 A^{0,591}$       | $Q_{95jan} = 0,1673 P_{eq}^{1,002}$        |
|            | Salobro/<br>Cana Brava                  | $Q_{95jan} = 0,00392 A^{1,001}$       | $Q_{95jan} = 0,00868 P_{eq}^{1,764}$       |
|            | Roncador                                | $Q_{95jan} = 0,14812 e^{(A^{0,004})}$ | $Q_{95jan} = 0,00091 e^{(P_{eq}^{0,27})}$  |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95jan} = 0,00217 A^{1,125}$       | $Q_{95jan} = 0,0525 P_{eq}^{1,224}$        |
|            | São Pedro                               | $Q_{95jan} = 0,01155 A^{0,921}$       | $Q_{95jan} = 0,1239 P_{eq}^{1,086}$        |
|            | Rio do Sono                             | $Q_{95jan} = 0,00021 A^{1,378}$       | $Q_{95jan} = 0,05586 e^{(P_{eq}^{0,029})}$ |
|            | Sto Antônio                             | $Q_{95jan} = 0,04725 A^{0,723}$       | $Q_{95jan} = 1,29731 P_{eq}^{0,223}$       |
|            | Escuro                                  | $Q_{95jan} = 0,03549 A^{0,804}$       | $Q_{95jan} = 0,42735 P_{eq}^{0,798}$       |
|            | Escurinho                               | $Q_{95jan} = 0,00336 e^{(A^{0,004})}$ | $Q_{95jan} = 0,00455 e^{(P_{eq}^{0,086})}$ |
|            | Sta Isabel                              | $Q_{95jan} = 0,92204 e^{(A^{0,001})}$ | $Q_{95jan} = 0,99995 e^{(P_{eq}^{0,02})}$  |
| Urucuia    | Urucuia                                 | $Q_{95jan} = 0,0007 A^{1,209}$        | $Q_{95jan} = 0,01078 P_{eq}^{1,39}$        |
|            | Conceição                               | $Q_{95jan} = 0,96166 e^{(A^{0,001})}$ | $Q_{95jan} = 0,4627 e^{(P_{eq}^{0,035})}$  |
|            | São<br>Domingos                         | $Q_{95jan} = 1,97372 A^{0,259}$       | $Q_{95jan} = 1,99458 P_{eq}^{0,427}$       |
| Pandeiros  | Pandeiros                               | $Q_{95jan} = 0,3633 e^{(A^{0,001})}$  | $Q_{95jan} = 0,72933 e^{(P_{eq}^{0,025})}$ |
| Japoré     | Japoré                                  | $Q_{95jan} = 0,25116 e^{(A^{0,002})}$ | $Q_{95jan} = 0,72933 e^{(P_{eq}^{0,025})}$ |
| Carinhanha | Carinhanha                              | $Q_{95jan} = 1,99318 A^{0,394}$       | $Q_{95jan} = 1,99101 P_{eq}^{0,592}$       |
|            | Itaguari                                | $Q_{95jan} = 1,98807 A^{0,265}$       | $Q_{95jan} = 1,99857 P_{eq}^{0,465}$       |
|            | Coxá                                    | $Q_{95jan} = 1,99017 A^{0,164}$       | $Q_{95jan} = 1,99465 P_{eq}^{0,336}$       |
| Corrente   | Corrente                                | $Q_{95jan} = 0,02247 A^{0,862}$       | $Q_{95jan} = 0,65632 P_{eq}^{0,789}$       |
|            | Formoso                                 | $Q_{95jan} = 1,98772 A^{0,345}$       | $Q_{95jan} = 1,99619 P_{eq}^{0,52}$        |
|            | Arrojado                                | $Q_{95jan} = 1,99556 A^{0,316}$       | $Q_{95jan} = 1,99528 P_{eq}^{0,496}$       |
|            | Éguas/<br>Correntina                    | $Q_{95jan} = 1,99297 A^{0,286}$       | $Q_{95jan} = 1,99066 P_{eq}^{0,469}$       |
|            |                                         |                                       |                                            |
| Grande     | Grande                                  | $Q_{95jan} = 0,00329 A^{1,038}$       | $Q_{95jan} = 0,0637 P_{eq}^{1,105}$        |
|            | Preto                                   | $Q_{95jan} = 0,00854 A^{0,951}$       | $Q_{95jan} = 0,02982 P_{eq}^{1,241}$       |
|            | Sapão                                   | $Q_{95jan} = 0,09184 A^{0,676}$       | $Q_{95jan} = 1,38159 P_{eq}^{0,586}$       |
|            | Branco                                  | $Q_{95jan} = 1,98674 A^{0,34}$        | $Q_{95jan} = 1,99381 P_{eq}^{0,551}$       |
|            | Rio de<br>Janeiro                       | $Q_{95jan} = 1,99367 A^{0,185}$       | $Q_{95jan} = 0,99862 P_{eq}^{0,553}$       |
|            | Rio das<br>Ondas                        | $Q_{95jan} = 1,99213 A^{0,308}$       | $Q_{95jan} = 1,99206 P_{eq}^{0,516}$       |
|            | Rio das<br>Fêmeas                       | $Q_{95jan} = 1,99605 A^{0,316}$       | $Q_{95jan} = 1,99066 P_{eq}^{0,508}$       |
|            | Rio São<br>Desidério                    | $Q_{95jan} = 0,22834 e^{(A^{0,001})}$ | $Q_{95jan} = 0,0105 e^{(P_{eq}^{0,052})}$  |
|            |                                         |                                       |                                            |
| Paramirim  | Paramirim                               | $Q_{95jan} = 0,00056 A^{1,228}$       | $Q_{95jan} = 0,00091 e^{(P_{eq}^{0,028})}$ |
| Verde      | Verde                                   | $Q_{95jan} = 0,00112 A^{1,159}$       | $Q_{95jan} = 0,028 e^{(P_{eq}^{0,031})}$   |
| Jacaré     | Jacaré                                  | $Q_{95jan} = 0,00021 A^{1,32}$        | $Q_{95jan} = 0,04144 e^{(P_{eq}^{0,019})}$ |

Quadro 20E – Equações de regionalização para  $Q_{95jan}$  selecionadas para as regiões homogêneas em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Bacia                       | Rios                           | $P_{eq700\_M}$                              | $P_{eq750\_M}$                              |
|-----------------------------|--------------------------------|---------------------------------------------|---------------------------------------------|
| Calha do São Francisco      | Montante Sobradinho            | $Q_{95jan} = 0,494548 P_{eq700}^{0,944055}$ | $Q_{95jan} = 0,519886 P_{eq750}^{0,955471}$ |
|                             | Entre Três Marias e Sobradinho | $Q_{95jan} = 0,721 P_{eq700}^{0,9341}$      | $Q_{95jan} = 0,7319 P_{eq750}^{0,9444}$     |
| Marmelada                   | Marmelada                      | $Q_{95jan} = 0,42098 e^{(P_{eq700} 0,148)}$ | $Q_{95jan} = 0,7021 e^{(P_{eq750} 0,134)}$  |
| Jorge Grande/ Mateus Grande | Jorge Grande/ Mateus Grande    | $Q_{95jan} = 0,30009 e^{(P_{eq700} 0,184)}$ | $Q_{95jan} = 0,25851 e^{(P_{eq750} 0,207)}$ |
| BambuÍ                      | BambuÍ/ Perdição               | $Q_{95jan} = 0,35413 P_{eq700}^{1,073}$     | $Q_{95jan} = 0,34671 P_{eq750}^{1,1}$       |
| São Miguel                  | São Miguel                     | $Q_{95jan} = 0,22519 P_{eq700}^{1,307}$     | $Q_{95jan} = 0,24612 P_{eq750}^{1,314}$     |
| Ajudas                      | Ajudas                         | $Q_{95jan} = 0,53634 P_{eq700}^{0,978}$     | $Q_{95jan} = 0,5509 P_{eq750}^{0,994}$      |
| Samburá                     | Samburá                        | $Q_{95jan} = 0,73549 P_{eq700}^{0,914}$     | $Q_{95jan} = 0,72814 P_{eq750}^{0,933}$     |
|                             | Sto Antônio                    | $Q_{95jan} = 1,40399 P_{eq700}^{0,668}$     | $Q_{95jan} = 0,54929 P_{eq750}^{0,992}$     |
| IndaÍa                      | IndaÍa                         | $Q_{95jan} = 0,60025 P_{eq700}^{0,918}$     | $Q_{95jan} = 0,56273 P_{eq750}^{0,957}$     |
| Borrachudo                  | Borrachudo                     | $Q_{95jan} = 0,37156 P_{eq700}^{1,036}$     | $Q_{95jan} = 0,3157 P_{eq750}^{1,111}$      |
| Dos Tiros                   | Dos Tiros                      | $Q_{95jan} = 0,00336 P_{eq700}^{1,994}$     | $Q_{95jan} = 0,00413 P_{eq750}^{1,988}$     |
|                             | Rib. Areado                    | $Q_{95jan} = 0,07896 e^{(P_{eq700} 0,145)}$ | $Q_{95jan} = 0,04879 e^{(P_{eq750} 0,172)}$ |
| Pará                        | Pará                           | $Q_{95jan} = 0,05453 P_{eq700}^{1,373}$     | $Q_{95jan} = 0,05173 P_{eq750}^{1,404}$     |
|                             | Itapecerica (Rib. Boa Vista)   | $Q_{95jan} = 0,19607 P_{eq700}^{1,184}$     | $Q_{95jan} = 0,1876 P_{eq750}^{1,22}$       |
|                             | Lambari                        | $Q_{95jan} = 0,01358 e^{(P_{eq700} 0,171)}$ | $Q_{95jan} = 0,00448 e^{(P_{eq750} 0,212)}$ |
|                             | Picão                          | $Q_{95jan} = 0,4914 e^{(P_{eq700} 0,175)}$  | $Q_{95jan} = 0,45654 e^{(P_{eq750} 0,197)}$ |
|                             | São João                       | $Q_{95jan} = 0,56609 e^{(P_{eq700} 0,091)}$ | $Q_{95jan} = 0,12327 P_{eq750}^{1,32}$      |
| Paraopeba                   | Paraopeba                      | $Q_{95jan} = 0,63952 P_{eq700}^{0,931}$     | $Q_{95jan} = 0,6349 P_{eq750}^{0,949}$      |
|                             | Mateus Leme                    | $Q_{95jan} = 0,35784 P_{eq700}^{1,063}$     | $Q_{95jan} = 0,38507 P_{eq750}^{1,077}$     |
|                             | Serra Azul                     | $Q_{95jan} = 0,37093 P_{eq700}^{1,077}$     | $Q_{95jan} = 0,39354 P_{eq750}^{1,105}$     |
|                             | Brumado/ Camapuã               | $Q_{95jan} = 0,37058 P_{eq700}^{1,066}$     | $Q_{95jan} = 0,71078 e^{(P_{eq750} 0,181)}$ |
| Das Velhas                  | Velhas                         | $Q_{95jan} = 0,46809 P_{eq700}^{0,98}$      | $Q_{95jan} = 0,43918 P_{eq750}^{1,008}$     |
|                             | Bicudo                         | $Q_{95jan} = 0,0035 e^{(P_{eq700} 0,271)}$  | $Q_{95jan} = 0,00434 e^{(P_{eq750} 0,298)}$ |
|                             | CurimataÍ                      | $Q_{95jan} = 0,1547 P_{eq700}^{1,322}$      | $Q_{95jan} = 0,22554 P_{eq750}^{1,254}$     |
|                             | Picão                          | $Q_{95jan} = 0,04487 e^{(P_{eq700} 0,405)}$ | $Q_{95jan} = 0,04368 e^{(P_{eq750} 0,46)}$  |
|                             | ParaÍuna (Parauninha)          | $Q_{95jan} = 1,99255 P_{eq700}^{0,64}$      | $Q_{95jan} = 1,99472 P_{eq750}^{0,66}$      |
|                             | Jequitibá                      | $Q_{95jan} = 0,72184 e^{(P_{eq700} 0,161)}$ | $Q_{95jan} = 0,70686 e^{(P_{eq750} 0,179)}$ |
|                             | Jabuticatubas                  | $Q_{95jan} = 0,13048 e^{(P_{eq700} 0,31)}$  | $Q_{95jan} = 0,112 e^{(P_{eq750} 0,352)}$   |
|                             | Mata                           | $Q_{95jan} = 0,39305 e^{(P_{eq700} 0,167)}$ | $Q_{95jan} = 0,38682 e^{(P_{eq750} 0,182)}$ |
|                             | Taquaraçu                      | $Q_{95jan} = 0,32893 P_{eq700}^{1,083}$     | $Q_{95jan} = 0,26901 P_{eq750}^{1,189}$     |
|                             | Itabirito                      | $Q_{95jan} = 1,99969 P_{eq700}^{0,399}$     | $Q_{95jan} = 1,99794 P_{eq750}^{0,401}$     |
| Verde Grande                | Verde Grande                   | $Q_{95jan} = 0,06594 e^{(P_{eq700} 0,042)}$ | $Q_{95jan} = 0,05131 e^{(P_{eq750} 0,059)}$ |
| Jequitai                    | Jequitai                       | $Q_{95jan} = 0,05068 P_{eq700}^{1,462}$     | $Q_{95jan} = 0,06664 P_{eq750}^{1,441}$     |
| Pacuí                       | Pacuí                          | $Q_{95jan} = 0,01141 P_{eq700}^{1,95}$      | $Q_{95jan} = 0,01813 P_{eq750}^{1,894}$     |

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Quadro 20E – Cont.

| Bacia      | Rios                                    | $P_{eq700\_M}$                              | $P_{eq750\_M}$                              |
|------------|-----------------------------------------|---------------------------------------------|---------------------------------------------|
| Paracatu   | Paracatu                                | $Q_{95jan} = 0,02331 P_{eq700}^{1,423}$     | $Q_{95jan} = 0,02814 P_{eq750}^{1,417}$     |
|            | Preto                                   | $Q_{95jan} = 0,01519 P_{eq700}^{1,645}$     | $Q_{95jan} = 0,01141 P_{eq750}^{1,733}$     |
|            | Salobro/<br>Cana Brava                  | $Q_{95jan} = 0,34685 e^{(P_{eq700} 0,17)}$  | $Q_{95jan} = 0,31934 e^{(P_{eq750} 0,193)}$ |
|            | Roncador                                | $Q_{95jan} = 0,00028 e^{(P_{eq700} 0,69)}$  | $Q_{95jan} = 0,00042 e^{(P_{eq750} 0,726)}$ |
|            | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95jan} = 0,08498 P_{eq700}^{1,359}$     | $Q_{95jan} = 0,08722 P_{eq750}^{1,388}$     |
|            | São Pedro                               | $Q_{95jan} = 0,16744 P_{eq700}^{1,284}$     | $Q_{95jan} = 0,16751 P_{eq750}^{1,327}$     |
|            | Rio do Sono                             | $Q_{95jan} = 0,0273 e^{(P_{eq700} 0,077)}$  | $Q_{95jan} = 0,00462 e^{(P_{eq750} 0,105)}$ |
|            | Sto Antônio                             | $Q_{95jan} = 1,40714 P_{eq700}^{0,269}$     | $Q_{95jan} = 1,99815 P_{eq750}^{0,033}$     |
|            | Escuro                                  | $Q_{95jan} = 0,89761 P_{eq700}^{0,726}$     | $Q_{95jan} = 0,84658 P_{eq750}^{0,762}$     |
|            | Escurinho                               | $Q_{95jan} = 0,00903 e^{(P_{eq700} 0,152)}$ | $Q_{95jan} = 0,00056 e^{(P_{eq750} 0,232)}$ |
| Urucuia    | Sta Isabel                              | $Q_{95jan} = 0,99995 e^{(P_{eq700} 0,04)}$  | $Q_{95jan} = 0,95998 P_{eq750}^0$           |
|            | Urucuia                                 | $Q_{95jan} = 0,00546 P_{eq700}^{1,71}$      | $Q_{95jan} = 0,00567 P_{eq750}^{1,735}$     |
|            | Conceição                               | $Q_{95jan} = 0,28504 e^{(P_{eq700} 0,104)}$ | $Q_{95jan} = 0,26733 e^{(P_{eq750} 0,119)}$ |
|            | São<br>Domingos                         | $Q_{95jan} = 1,98835 P_{eq700}^{0,499}$     | $Q_{95jan} = 1,99423 P_{eq750}^{0,515}$     |
| Pandeiros  | Pandeiros                               | $Q_{95jan} = 1,99843 P_{eq700}^{0,564}$     | $Q_{95jan} = 1,9978 P_{eq750}^{0,575}$      |
| Japoré     | Japoré                                  | $Q_{95jan} = 0,21329 P_{eq700}^{1,183}$     | $Q_{95jan} = 0,28644 P_{eq750}^{1,196}$     |
| Carinhanha | Carinhanha                              | $Q_{95jan} = 1,99871 P_{eq700}^{0,682}$     | $Q_{95jan} = 1,99423 P_{eq750}^{0,695}$     |
|            | Itaguari                                | $Q_{95jan} = 1,9999 P_{eq700}^{0,557}$      | $Q_{95jan} = 1,99934 P_{eq750}^{0,569}$     |
|            | Coxá                                    | $Q_{95jan} = 1,99934 P_{eq700}^{0,399}$     | $Q_{95jan} = 1,99815 P_{eq750}^{0,402}$     |
| Corrente   | Corrente                                | $Q_{95jan} = 1,99493 P_{eq700}^{0,717}$     | $Q_{95jan} = 1,99129 P_{eq750}^{0,729}$     |
|            | Formoso                                 | $Q_{95jan} = 1,99122 P_{eq700}^{0,584}$     | $Q_{95jan} = 1,99752 P_{eq750}^{0,595}$     |
|            | Arrojado                                | $Q_{95jan} = 1,99381 P_{eq700}^{0,572}$     | $Q_{95jan} = 1,99731 P_{eq750}^{0,584}$     |
|            | Éguas/<br>Correntina                    | $Q_{95jan} = 1,99633 P_{eq700}^{0,549}$     | $Q_{95jan} = 1,99654 P_{eq750}^{0,56}$      |
| Grande     | Grande                                  | $Q_{95jan} = 0,00539 P_{eq700}^{1,992}$     | $Q_{95jan} = 0,21875 P_{eq750}^{1,103}$     |
|            | Preto                                   | $Q_{95jan} = 0,01918 P_{eq700}^{1,53}$      | $Q_{95jan} = 0,01323 P_{eq750}^{1,629}$     |
|            | Sapão                                   | $Q_{95jan} = 1,24782 P_{eq700}^{0,731}$     | $Q_{95jan} = 1,76379 P_{eq750}^{0,67}$      |
|            | Branco                                  | $Q_{95jan} = 0,09324 P_{eq700}^{1,288}$     | $Q_{95jan} = 0,04081 P_{eq750}^{1,487}$     |
|            | Rio de<br>Janeiro                       | $Q_{95jan} = 0,00539 P_{eq700}^{1,992}$     | $Q_{95jan} = 0,00686 P_{eq750}^{1,994}$     |
|            | Rio das<br>Ondas                        | $Q_{95jan} = 1,99507 P_{eq700}^{0,644}$     | $Q_{95jan} = 1,99885 P_{eq750}^{0,664}$     |
|            | Rio das<br>Fêmeas                       | $Q_{95jan} = 1,99899 P_{eq700}^{0,626}$     | $Q_{95jan} = 1,99255 P_{eq750}^{0,648}$     |
|            | Rio São<br>Desidério                    | $Q_{95jan} = 0,00294 e^{(P_{eq700} 0,2)}$   | $Q_{95jan} = 0,00224 e^{(P_{eq750} 0,247)}$ |
| Paramirim  | Paramirim                               | $Q_{95jan} = 0,0007 e^{(P_{eq700} 0,472)}$  | $Q_{95jan} = 0,00014 e^{(P_{eq750} 1,97)}$  |
| Verde      | Verde                                   | -                                           | -                                           |
| Jacaré     | Jacaré                                  | -                                           | -                                           |

Quadro 21E – Equações de regionalização para as variáveis hidrológicas analisadas selecionadas para as regiões homogêneas da bacia do Paracatu em função da A e da  $P_{eq}$  pelo método tradicional (T)

| Vazão                   | Região | A_T                                | $P_{eq\_T}$                             |
|-------------------------|--------|------------------------------------|-----------------------------------------|
| $Q_{mld}$<br>observada  | 1      | $Q_{mld} = 0,016701 A^{0,979704}$  | $Q_{mld} = 0,364412 P_{eq}^{0,976836}$  |
|                         | 2      | $Q_{mld} = 0,025417 A^{0,925007}$  | $Q_{mld} = 0,437404 P_{eq}^{0,936289}$  |
|                         | 3      | $Q_{mld} = 0,021988 A^{0,948629}$  | $Q_{mld} = 0,396999 P_{eq}^{0,953858}$  |
| $Q_{90}$ observada      | 1      | $Q_{90} = 0,001732 A^{1,098346}$   | $Q_{90} = 0,054632 P_{eq}^{1,096184}$   |
|                         | 2      | $Q_{90} = 0,009181 A^{0,876903}$   | $Q_{90} = 0,133229 P_{eq}^{0,891358}$   |
|                         | 3      | $Q_{90} = 0,007304 A^{0,913498}$   | $Q_{90} = 0,118332 P_{eq}^{0,918799}$   |
| $Q_{95}$<br>observada   | 1      | $Q_{95} = 0,001188 A^{1,114266}$   | $Q_{95} = 0,039379 P_{eq}^{1,112214}$   |
|                         | 2      | $Q_{95} = 0,007292 A^{0,877292}$   | $Q_{95} = 0,105601 P_{eq}^{0,892294}$   |
|                         | 3      | $Q_{95} = 0,006006 A^{0,914276}$   | $Q_{95} = 0,097533 P_{eq}^{0,919577}$   |
| $Q_{7,10}$<br>observada | 1      | $Q_{7,10} = 0,001534 A^{1,043885}$ | $Q_{7,10} = 0,040995 P_{eq}^{1,040721}$ |
|                         | 2      | $Q_{7,10} = 0,004773 A^{0,878338}$ | $Q_{7,10} = 0,069217 P_{eq}^{0,893646}$ |
|                         | 3      | $Q_{7,10} = 0,004007 A^{0,918043}$ | $Q_{7,10} = 0,065906 P_{eq}^{0,923117}$ |
| $Q_{mld}$<br>natural    | 1      | $Q_{mld} = 0,016892 A^{0,979323}$  | $Q_{mld} = 0,368174 P_{eq}^{0,976437}$  |
|                         | 2      | $Q_{mld} = 0,025374 A^{0,925915}$  | $Q_{mld} = 0,43788 P_{eq}^{0,937209}$   |
|                         | 3      | $Q_{mld} = 0,022093 A^{0,948786}$  | $Q_{mld} = 0,399123 P_{eq}^{0,953999}$  |
| $Q_{90}$<br>natural     | 1      | $Q_{90} = 0,002039 A^{1,085061}$   | $Q_{90} = 0,061751 P_{eq}^{1,08269}$    |
|                         | 2      | $Q_{90} = 0,009133 A^{0,882838}$   | $Q_{90} = 0,135074 P_{eq}^{0,897244}$   |
|                         | 3      | $Q_{90} = 0,007204 A^{0,920012}$   | $Q_{90} = 0,119111 P_{eq}^{0,925238}$   |
| $Q_{95}$<br>natural     | 1      | $Q_{95} = 0,001612 A^{1,086954}$   | $Q_{95} = 0,049127 P_{eq}^{1,084492}$   |
|                         | 2      | $Q_{95} = 0,007638 A^{0,880589}$   | $Q_{95} = 0,111813 P_{eq}^{0,895514}$   |
|                         | 3      | $Q_{95} = 0,005861 A^{0,923344}$   | $Q_{95} = 0,097875 P_{eq}^{0,928642}$   |
| $Q_{7,10}$<br>natural   | 1      | $Q_{7,10} = 0,001714 A^{1,037284}$ | $Q_{7,10} = 0,044895 P_{eq}^{1,03398}$  |
|                         | 2      | $Q_{7,10} = 0,004935 A^{0,884063}$ | $Q_{7,10} = 0,073017 P_{eq}^{0,899037}$ |
|                         | 3      | $Q_{7,10} = 0,003858 A^{0,929718}$ | $Q_{7,10} = 0,065752 P_{eq}^{0,934851}$ |

Quadro 22E – Equações de regionalização para as variáveis hidrológicas analisadas selecionadas para as regiões homogêneas da bacia do Paracatu em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método tradicional (T)

| Vazão                   | Região | $P_{eq700\_T}$                             | $P_{eq750\_T}$                             |
|-------------------------|--------|--------------------------------------------|--------------------------------------------|
| $Q_{mld}$<br>observada  | 1      | $Q_{mld} = 0,740872 P_{eq700}^{0,973319}$  | $Q_{mld} = 0,883286 P_{eq750}^{0,94732}$   |
|                         | 2      | $Q_{mld} = 0,824563 P_{eq700}^{0,94594}$   | $Q_{mld} = 0,776399 P_{eq750}^{0,959021}$  |
|                         | 3      | $Q_{mld} = 0,728831 P_{eq700}^{0,958398}$  | $Q_{mld} = 0,800913 P_{eq750}^{0,972595}$  |
| $Q_{90}$<br>observada   | 1      | $Q_{90} = 0,120627 P_{eq700}^{1,093327}$   | $Q_{90} = 0,131576 P_{eq750}^{1,092687}$   |
|                         | 2      | $Q_{90} = 0,238338 P_{eq700}^{0,904713}$   | $Q_{90} = 0,253647 P_{eq750}^{0,906714}$   |
|                         | 3      | $Q_{90} = 0,212259 P_{eq700}^{0,923401}$   | $Q_{90} = 0,225554 P_{eq750}^{0,924044}$   |
| $Q_{95}$<br>observada   | 1      | $Q_{95} = 0,087922 P_{eq700}^{1,109431}$   | $Q_{95} = 0,096019 P_{eq750}^{1,108802}$   |
|                         | 2      | $Q_{95} = 0,188437 P_{eq700}^{0,906259}$   | $Q_{95} = 0,200461 P_{eq750}^{0,90836}$    |
|                         | 3      | $Q_{95} = 0,175042 P_{eq700}^{0,924176}$   | $Q_{95} = 0,186015 P_{eq750}^{0,92482}$    |
| $Q_{7,10}$<br>observada | 1      | $Q_{7,10} = 0,087331 P_{eq700}^{1,03689}$  | $Q_{7,10} = 0,09489 P_{eq750}^{1,036119}$  |
|                         | 2      | $Q_{7,10} = 0,123416 P_{eq700}^{0,907946}$ | $Q_{7,10} = 0,131271 P_{eq750}^{0,910102}$ |
|                         | 3      | $Q_{7,10} = 0,118648 P_{eq700}^{0,927513}$ | $Q_{7,10} = 0,126132 P_{eq750}^{0,92812}$  |
| $Q_{mld}$<br>natural    | 1      | $Q_{mld} = 0,748362 P_{eq700}^{0,972901}$  | $Q_{mld} = 0,808992 P_{eq750}^{0,972173}$  |
|                         | 2      | $Q_{mld} = 0,855973 P_{eq700}^{0,946872}$  | $Q_{mld} = 0,884855 P_{eq750}^{0,948251}$  |
|                         | 3      | $Q_{mld} = 0,732838 P_{eq700}^{0,958225}$  | $Q_{mld} = 0,780682 P_{eq750}^{0,959145}$  |
| $Q_{90}$<br>natural     | 1      | $Q_{90} = 0,135146 P_{eq700}^{1,079626}$   | $Q_{90} = 0,147273 P_{eq750}^{1,078957}$   |
|                         | 2      | $Q_{90} = 0,242776 P_{eq700}^{0,910526}$   | $Q_{90} = 0,258509 P_{eq750}^{0,912512}$   |
|                         | 3      | $Q_{90} = 0,214616 P_{eq700}^{0,929772}$   | $Q_{90} = 0,228168 P_{eq750}^{0,930403}$   |
| $Q_{95}$<br>natural     | 1      | $Q_{95} = 0,107692 P_{eq700}^{1,081338}$   | $Q_{95} = 0,117376 P_{eq750}^{1,080657}$   |
|                         | 2      | $Q_{95} = 0,200097 P_{eq700}^{0,909379}$   | $Q_{95} = 0,212938 P_{eq750}^{0,911463}$   |
|                         | 3      | $Q_{95} = 0,176704 P_{eq700}^{0,933238}$   | $Q_{95} = 0,187899 P_{eq750}^{0,93388}$    |
| $Q_{7,10}$<br>natural   | 1      | $Q_{7,10} = 0,095233 P_{eq700}^{1,030008}$ | $Q_{7,10} = 0,103429 P_{eq750}^{1,029216}$ |
|                         | 2      | $Q_{7,10} = 0,130978 P_{eq700}^{0,912944}$ | $Q_{7,10} = 0,139419 P_{eq750}^{0,915033}$ |
|                         | 3      | $Q_{7,10} = 0,119258 P_{eq700}^{0,939301}$ | $Q_{7,10} = 0,12688 P_{eq750}^{0,939915}$  |

Quadro 23E – Equações de regionalização para as variáveis hidrológicas analisadas selecionadas para as regiões homogêneas da bacia do Paracatu em função da A e da  $P_{eq}$  pelo método de conservação de massa (M)

| Vazão                         | Rio                                     | A_M                              | $P_{eq\_M}$                           |
|-------------------------------|-----------------------------------------|----------------------------------|---------------------------------------|
| Q <sub>mld</sub><br>observada | Paracatu                                | $Q_{mld} = 0,0283 A^{0,9182}$    | $Q_{mld} = 0,3635 P_{eq}^{0,9641}$    |
|                               | Preto                                   | $Q_{mld} = 0,6615 A^{0,56}$      | $Q_{mld} = 1,9996 P_{eq}^{0,6719}$    |
|                               | Salobro/<br>Cana Brava                  | $Q_{mld} = 1,99899 A^{0,207}$    | $Q_{mld} = 1,9936 P_{eq}^{0,411}$     |
|                               | Roncador                                | $Q_{mld} = 1,9929 A^{0,168}$     | $Q_{mld} = 1,99822 P_{eq}^{0,358}$    |
|                               | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{mld} = 0,0098 A^{1,022}$     | $Q_{mld} = 0,2512 P_{eq}^{1,01886}$   |
|                               | São Pedro                               | $Q_{mld} = 0,18305 A^{0,631}$    | $Q_{mld} = 1,1676 P_{eq}^{0,6656}$    |
|                               | Rio do Sono                             | $Q_{mld} = 1,9873 A^{0,4}$       | $Q_{mld} = 1,9992 P_{eq}^{0,63202}$   |
|                               | Sto Antônio                             | $Q_{mld} = 0,10213 A^{0,673}$    | $Q_{mld} = 0,6072 P_{eq}^{0,79922}$   |
|                               | Escuro                                  | $Q_{mld} = 0,07924 A^{0,783}$    | $Q_{mld} = 0,758 P_{eq}^{0,81698}$    |
|                               | Escurinho                               | $Q_{mld} = 1,995 A^{0,315}$      | $Q_{mld} = 1,998 P_{eq}^{0,53982}$    |
|                               | Sta Isabel                              | $Q_{mld} = 1,9971 A^{0,012}$     | $Q_{mld} = 2 P_{eq}^{0,17966}$        |
| Q <sub>90</sub><br>observada  | Paracatu                                | $Q_{90} = 0,0031 A^{0,9992}$     | $Q_{90} = 0,0494 P_{eq}^{1,0493}$     |
|                               | Preto                                   | $Q_{90} = 0,75754 A^{0,403}$     | $Q_{90} = 1,99087 P_{eq}^{0,455}$     |
|                               | Salobro/<br>Cana Brava                  | -                                | $Q_{90} = 0,96467 e^{(P_{eq} 0,014)}$ |
|                               | Roncador                                | $Q_{90} = 0,59003 e^{(A 0,001)}$ | $Q_{90} = 0,97265 e^{(P_{eq} 0,011)}$ |
|                               | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{90} = 0,00063 A^{1,192}$     | $Q_{90} = 0,00735 P_{eq}^{1,447}$     |
|                               | São Pedro                               | $Q_{90} = 0,00994 A^{0,852}$     | $Q_{90} = 0,1036 P_{eq}^{0,949}$      |
|                               | Rio do Sono                             | $Q_{90} = 0,05411 e^{(A 0,001)}$ | $Q_{90} = 0,83748 e^{(P_{eq} 0,013)}$ |
|                               | Sto Antônio                             | $Q_{90} = 0,73577 A^{0,12}$      | $Q_{90} = 0,4991 P_{eq}^{0,465}$      |
|                               | Escuro                                  | $Q_{90} = 0,03668 A^{0,704}$     | $Q_{90} = 0,28595 P_{eq}^{0,729}$     |
|                               | Escurinho                               | $Q_{90} = 1,9887 A^{0,117}$      | $Q_{90} = 1,97995 P_{eq}^{0,205}$     |
|                               | Sta Isabel                              | -                                | -                                     |
| Q <sub>95</sub><br>observada  | Paracatu                                | $Q_{95} = 0,0029 A^{0,9868}$     | $Q_{95} = 0,0445 P_{eq}^{1,0362}$     |
|                               | Preto                                   | $Q_{95} = 0,79254 A^{0,376}$     | $Q_{95} = 1,99997 P_{eq}^{0,42}$      |
|                               | Salobro/<br>Cana Brava                  | -                                | $Q_{95} = 0,98259 e^{(P_{eq} 0,008)}$ |
|                               | Roncador                                | -                                | $Q_{95} = 0,96936 e^{(P_{eq} 0,003)}$ |
|                               | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,00021 A^{1,301}$     | $Q_{95} = 0,00294 P_{eq}^{1,587}$     |
|                               | São Pedro                               | $Q_{95} = 0,00399 A^{0,953}$     | $Q_{95} = 0,05824 P_{eq}^{1,042}$     |
|                               | Rio do Sono                             | $Q_{95} = 0,04389 e^{(A 0,001)}$ | $Q_{95} = 0,33565 e^{(P_{eq} 0,016)}$ |
|                               | Sto Antônio                             | $Q_{95} = 0,66577 A^{0,106}$     | $Q_{95} = 0,50309 P_{eq}^{0,382}$     |
|                               | Escuro                                  | $Q_{95} = 0,02898 A^{0,71}$      | $Q_{95} = 0,23268 P_{eq}^{0,732}$     |
|                               | Escurinho                               | $Q_{95} = 1,99815 A^{0,093}$     | $Q_{95} = 1,99584 P_{eq}^{0,162}$     |
|                               | Sta Isabel                              | -                                | -                                     |

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Quadro 23E – Cont.

| Vazão                          | Rio                                     | A_M                                                | P <sub>eq</sub> _M                                              |
|--------------------------------|-----------------------------------------|----------------------------------------------------|-----------------------------------------------------------------|
| Q <sub>7,10</sub><br>observada | Paracatu                                | Q <sub>7,10</sub> = 0,003 A <sup>0,946</sup>       | Q <sub>7,10</sub> = 0,0413 P <sub>eq</sub> <sup>0,9928</sup>    |
|                                | Preto                                   | Q <sub>7,10</sub> = 1,02291 A <sup>0,303</sup>     | Q <sub>7,10</sub> = 1,98877 P <sub>eq</sub> <sup>0,352</sup>    |
|                                | Salobro/<br>Cana Brava                  | -                                                  | -                                                               |
|                                | Roncador                                | -                                                  | -                                                               |
|                                | Entre-<br>ribeiros/<br>Barra da<br>Égua | Q <sub>7,10</sub> = 0,00014 A <sup>1,301</sup>     | Q <sub>7,10</sub> = 0,00777 P <sub>eq</sub> <sup>1,317</sup>    |
|                                | São Pedro                               | Q <sub>7,10</sub> = 0,00287 A <sup>0,943</sup>     | Q <sub>7,10</sub> = 0,04795 P <sub>eq</sub> <sup>0,98</sup>     |
|                                | Rio do Sono                             | Q <sub>7,10</sub> = 0,02828 e <sup>(A 0,001)</sup> | Q <sub>7,10</sub> = 0,17143 e <sup>(P<sub>eq</sub> 0,017)</sup> |
|                                | Sto Antônio                             | Q <sub>7,10</sub> = 0,52241 A <sup>0,081</sup>     | Q <sub>7,10</sub> = 0,38339 P <sub>eq</sub> <sup>0,334</sup>    |
|                                | Escuro                                  | Q <sub>7,10</sub> = 0,01414 A <sup>0,753</sup>     | Q <sub>7,10</sub> = 0,12782 P <sub>eq</sub> <sup>0,778</sup>    |
|                                | Escurinho                               | Q <sub>7,10</sub> = 1,99801 A <sup>0,052</sup>     | Q <sub>7,10</sub> = 1,99822 P <sub>eq</sub> <sup>0,094</sup>    |
|                                | Sta Isabel                              | Q <sub>7,10</sub> = 0,06321 A <sup>0,002</sup>     | Q <sub>7,10</sub> = 0,10633 P <sub>eq</sub> <sup>0,002</sup>    |
| Q <sub>mld</sub><br>natural    | Paracatu                                | Q <sub>mld</sub> = 0,0281 A <sup>0,9198</sup>      | Q <sub>mld</sub> = 0,3619 P <sub>eq</sub> <sup>0,9658</sup>     |
|                                | Preto                                   | Q <sub>mld</sub> = 0,63826 A <sup>0,565</sup>      | Q <sub>mld</sub> = 1,99255 P <sub>eq</sub> <sup>0,674</sup>     |
|                                | Salobro/<br>Cana Brava                  | Q <sub>mld</sub> = 1,99248 A <sup>0,21</sup>       | Q <sub>mld</sub> = 1,99416 P <sub>eq</sub> <sup>0,414</sup>     |
|                                | Roncador                                | Q <sub>mld</sub> = 1,99885 A <sup>0,17</sup>       | Q <sub>mld</sub> = 1,99458 P <sub>eq</sub> <sup>0,362</sup>     |
|                                | Entre-<br>ribeiros/<br>Barra da<br>Égua | Q <sub>mld</sub> = 0,00882 A <sup>1,036</sup>      | Q <sub>mld</sub> = 0,25837 P <sub>eq</sub> <sup>1,015</sup>     |
|                                | São Pedro                               | Q <sub>mld</sub> = 0,17402 A <sup>0,64</sup>       | Q <sub>mld</sub> = 1,17341 P <sub>eq</sub> <sup>0,666</sup>     |
|                                | Rio do Sono                             | Q <sub>mld</sub> = 1,71934 A <sup>0,418</sup>      | Q <sub>mld</sub> = 1,99759 P <sub>eq</sub> <sup>0,634</sup>     |
|                                | Sto Antônio                             | Q <sub>mld</sub> = 0,09576 A <sup>0,686</sup>      | Q <sub>mld</sub> = 0,60361 P <sub>eq</sub> <sup>0,803</sup>     |
|                                | Escuro                                  | Q <sub>mld</sub> = 0,07658 A <sup>0,788</sup>      | Q <sub>mld</sub> = 0,75495 P <sub>eq</sub> <sup>0,819</sup>     |
|                                | Escurinho                               | Q <sub>mld</sub> = 1,97435 A <sup>0,318</sup>      | Q <sub>mld</sub> = 1,98618 P <sub>eq</sub> <sup>0,543</sup>     |
|                                | Sta Isabel                              | Q <sub>mld</sub> = 1,98849 A <sup>0,016</sup>      | Q <sub>mld</sub> = 1,99507 P <sub>eq</sub> <sup>0,185</sup>     |
| Q <sub>90</sub><br>natural     | Paracatu                                | Q <sub>90</sub> = 0,0031 A <sup>1,0038</sup>       | Q <sub>90</sub> = 0,0502 P <sub>eq</sub> <sup>1,0542</sup>      |
|                                | Preto                                   | Q <sub>90</sub> = 1,34806 A <sup>0,346</sup>       | Q <sub>90</sub> = 1,99108 P <sub>eq</sub> <sup>0,464</sup>      |
|                                | Salobro/<br>Cana Brava                  | Q <sub>90</sub> = 0,50379 e <sup>(A 0,001)</sup>   | Q <sub>90</sub> = 1,99885 P <sub>eq</sub> <sup>0,006</sup>      |
|                                | Roncador                                | Q <sub>90</sub> = 0,54754 e <sup>(A 0,001)</sup>   | Q <sub>90</sub> = 0,97657 e <sup>(P<sub>eq</sub> 0,013)</sup>   |
|                                | Entre-<br>ribeiros/<br>Barra da<br>Égua | Q <sub>90</sub> = 0,00063 A <sup>1,198</sup>       | Q <sub>90</sub> = 0,01239 P <sub>eq</sub> <sup>1,355</sup>      |
|                                | São Pedro                               | Q <sub>90</sub> = 0,01113 A <sup>0,844</sup>       | Q <sub>90</sub> = 0,12012 P <sub>eq</sub> <sup>0,922</sup>      |
|                                | Rio do Sono                             | Q <sub>90</sub> = 0,05705 e <sup>(A 0,001)</sup>   | Q <sub>90</sub> = 0,88662 e <sup>(P<sub>eq</sub> 0,013)</sup>   |
|                                | Sto Antônio                             | Q <sub>90</sub> = 0,68978 A <sup>0,135</sup>       | Q <sub>90</sub> = 0,48818 P <sub>eq</sub> <sup>0,482</sup>      |
|                                | Escuro                                  | Q <sub>90</sub> = 0,03353 A <sup>0,72</sup>        | Q <sub>90</sub> = 0,27111 P <sub>eq</sub> <sup>0,748</sup>      |
|                                | Escurinho                               | Q <sub>90</sub> = 1,99017 A <sup>0,125</sup>       | Q <sub>90</sub> = 1,97848 P <sub>eq</sub> <sup>0,22</sup>       |
|                                | Sta Isabel                              | -                                                  | -                                                               |

Continua...

Quadro 23E – Cont.

| Vazão                        | Rio                                     | A_M                                  | P <sub>eq</sub> _M                       |
|------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|
| Q <sub>95</sub><br>natural   | Paracatu                                | $Q_{95} = 0,0026 A^{1,0025}$         | $Q_{95} = 0,0425 P_{eq}^{1,0527}$        |
|                              | Preto                                   | $Q_{95} = 0,69643 A^{0,397}$         | $Q_{95} = 1,02543 P_{eq}^{0,544}$        |
|                              | Salobro/<br>Cana Brava                  | $Q_{95} = 0,47033 e^{(A^{0,001})}$   | $Q_{95} = 1,24306 P_{eq}^{0,116}$        |
|                              | Roncador                                | $Q_{95} = 0,50778 e^{(A^{0,001})}$   | -                                        |
|                              | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,00063 A^{1,175}$         | $Q_{95} = 0,00693 P_{eq}^{1,434}$        |
|                              | São Pedro                               | $Q_{95} = 0,00658 A^{0,888}$         | $Q_{95} = 0,07266 P_{eq}^{1,002}$        |
|                              | Rio do Sono                             | $Q_{95} = 0,00098 A^{1,116}$         | $Q_{95} = 0,36806 e^{(P_{eq}^{0,016})}$  |
|                              | Sto Antônio                             | $Q_{95} = 0,03815 A^{0,661}$         | $Q_{95} = 0,51303 P_{eq}^{0,397}$        |
|                              | Escuro                                  | $Q_{95} = 0,02898 A^{0,715}$         | $Q_{95} = 0,22498 P_{eq}^{0,75}$         |
|                              | Escurinho                               | $Q_{95} = 1,98576 A^{0,1}$           | $Q_{95} = 1,99423 P_{eq}^{0,18}$         |
|                              | Sta Isabel                              | $Q_{95} = 0,15211 A^{0,002}$         | -                                        |
| Q <sub>7,10</sub><br>natural | Paracatu                                | $Q_{7,10} = 0,0029 A^{0,9568}$       | $Q_{7,10} = 0,041 P_{eq}^{1,0042}$       |
|                              | Preto                                   | $Q_{7,10} = 0,58961 A^{0,372}$       | $Q_{7,10} = 1,5855 P_{eq}^{0,403}$       |
|                              | Salobro/<br>Cana Brava                  | -                                    | -                                        |
|                              | Roncador                                | -                                    | -                                        |
|                              | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{7,10} = 0,00014 A^{1,311}$       | $Q_{7,10} = 0,01043 P_{eq}^{1,275}$      |
|                              | São Pedro                               | $Q_{7,10} = 0,00273 A^{0,961}$       | $Q_{7,10} = 0,05047 P_{eq}^{0,984}$      |
|                              | Rio do Sono                             | $Q_{7,10} = 0,03101 e^{(A^{0,001})}$ | $Q_{7,10} = 0,2366 e^{(P_{eq}^{0,016})}$ |
|                              | Sto Antônio                             | $Q_{7,10} = 0,47033 A^{0,106}$       | $Q_{7,10} = 0,35651 P_{eq}^{0,381}$      |
|                              | Escuro                                  | $Q_{7,10} = 0,01393 A^{0,763}$       | $Q_{7,10} = 0,12887 P_{eq}^{0,789}$      |
|                              | Escurinho                               | $Q_{7,10} = 1,99073 A^{0,063}$       | $Q_{7,10} = 1,99815 P_{eq}^{0,111}$      |
|                              | Sta Isabel                              | -                                    | $Q_{7,10} = 0,13258 P_{eq}^{0,001}$      |

Quadro 24E – Equações de regionalização para as variáveis hidrológicas analisadas selecionadas para as regiões homogêneas da bacia do Paracatu em função da  $P_{eq700}$  e da  $P_{eq750}$  pelo método de conservação de massa (M)

| Vazão                  | Rio                                     | $P_{eq700}$ -M                           | $P_{eq750}$ -M                           |
|------------------------|-----------------------------------------|------------------------------------------|------------------------------------------|
| $Q_{mld}$<br>observada | Paracatu                                | $Q_{mld} = 0,5231 P_{eq700}^{1,0149}$    | $Q_{mld} = 0,5369 P_{eq750}^{1,0232}$    |
|                        | Preto                                   | $Q_{mld} = 1,99367 P_{eq700}^{0,769}$    | $Q_{mld} = 1,99934 P_{eq750}^{0,781}$    |
|                        | Salobro/<br>Cana Brava                  | $Q_{mld} = 1,99535 P_{eq700}^{0,541}$    | $Q_{mld} = 1,9992 P_{eq750}^{0,559}$     |
|                        | Roncador                                | $Q_{mld} = 1,99766 P_{eq700}^{0,492}$    | $Q_{mld} = 1,99542 P_{eq750}^{0,512}$    |
|                        | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{mld} = 0,54054 P_{eq700}^{1,016}$    | $Q_{mld} = 0,58254 P_{eq750}^{1,018}$    |
|                        | São Pedro                               | $Q_{mld} = 1,67461 P_{eq700}^{0,705}$    | $Q_{mld} = 1,73047 P_{eq750}^{0,713}$    |
|                        | Rio do Sono                             | $Q_{mld} = 1,99311 P_{eq700}^{0,737}$    | $Q_{mld} = 1,99192 P_{eq750}^{0,751}$    |
|                        | Sto Antônio                             | $Q_{mld} = 0,91182 P_{eq700}^{0,867}$    | $Q_{mld} = 0,95144 P_{eq750}^{0,877}$    |
|                        | Escuro                                  | $Q_{mld} = 1,15913 P_{eq700}^{0,847}$    | $Q_{mld} = 1,19623 P_{eq750}^{0,854}$    |
|                        | Escurinho                               | $Q_{mld} = 1,99318 P_{eq700}^{0,645}$    | $Q_{mld} = 1,38677 P_{eq750}^{0,755}$    |
|                        | Sta Isabel                              | $Q_{mld} = 1,99997 P_{eq700}^{0,302}$    | $Q_{mld} = 1,78745 P_{eq750}^{0,41}$     |
| $Q_{90}$<br>observada  | Paracatu                                | $Q_{90} = 0,0734 P_{eq700}^{1,1047}$     | $Q_{90} = 0,0755 P_{eq750}^{1,1138}$     |
|                        | Preto                                   | $Q_{90} = 1,9992 P_{eq700}^{0,521}$      | $Q_{90} = 1,99612 P_{eq750}^{0,53}$      |
|                        | Salobro/<br>Cana Brava                  | $Q_{90} = 1,46748 P_{eq700}^{0,113}$     | $Q_{90} = 1,41995 P_{eq750}^{0,131}$     |
|                        | Roncador                                | $Q_{90} = 0,98931 e^{(P_{eq700} 0,029)}$ | $Q_{90} = 0,99561 e^{(P_{eq750} 0,032)}$ |
|                        | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{90} = 0,02191 P_{eq700}^{1,442}$     | $Q_{90} = 0,02464 P_{eq750}^{1,442}$     |
|                        | São Pedro                               | $Q_{90} = 0,1764 P_{eq700}^{0,998}$      | $Q_{90} = 0,1862 P_{eq750}^{1,006}$      |
|                        | Rio do Sono                             | $Q_{90} = 0,73605 e^{(P_{eq700} 0,03)}$  | $Q_{90} = 0,7252 e^{(P_{eq750} 0,033)}$  |
|                        | Sto Antônio                             | $Q_{90} = 0,63728 P_{eq700}^{0,5}$       | $Q_{90} = 0,65191 P_{eq750}^{0,507}$     |
|                        | Escuro                                  | $Q_{90} = 0,41412 P_{eq700}^{0,758}$     | $Q_{90} = 0,42826 P_{eq750}^{0,763}$     |
|                        | Escurinho                               | $Q_{90} = 1,99283 P_{eq700}^{0,25}$      | $Q_{90} = 1,99766 P_{eq750}^{0,256}$     |
|                        | Sta Isabel                              | -                                        | -                                        |
| $Q_{95}$<br>observada  | Paracatu                                | $Q_{95} = 0,0657 P_{eq700}^{1,0908}$     | $Q_{95} = 0,0676 P_{eq750}^{1,0998}$     |
|                        | Preto                                   | $Q_{95} = 1,96196 P_{eq700}^{0,485}$     | $Q_{95} = 1,89378 P_{eq750}^{0,5}$       |
|                        | Salobro/<br>Cana Brava                  | $Q_{95} = 1,46139 P_{eq700}^{0,027}$     | $Q_{95} = 1,32132 P_{eq750}^{0,07}$      |
|                        | Roncador                                | $Q_{95} = 0,99141 e^{(P_{eq700} 0,012)}$ | $Q_{95} = 0,98798 e^{(P_{eq750} 0,015)}$ |
|                        | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,00994 P_{eq700}^{1,576}$     | $Q_{95} = 0,01141 P_{eq750}^{1,574}$     |
|                        | São Pedro                               | $Q_{95} = 0,1064 P_{eq700}^{1,089}$      | $Q_{95} = 0,11354 P_{eq750}^{1,096}$     |
|                        | Rio do Sono                             | $Q_{95} = 0,35126 e^{(P_{eq700} 0,035)}$ | $Q_{95} = 0,3626 e^{(P_{eq750} 0,038)}$  |
|                        | Sto Antônio                             | $Q_{95} = 0,59493 P_{eq700}^{0,432}$     | $Q_{95} = 0,59955 P_{eq750}^{0,445}$     |
|                        | Escuro                                  | $Q_{95} = 0,33607 P_{eq700}^{0,762}$     | $Q_{95} = 0,34769 P_{eq750}^{0,767}$     |
|                        | Escurinho                               | $Q_{95} = 1,9922 P_{eq700}^{0,202}$      | $Q_{95} = 1,98366 P_{eq750}^{0,209}$     |
|                        | Sta Isabel                              | -                                        | -                                        |

Continua...

Quadro 24E – Cont.

| Vazão                   | Rio                                     | $P_{eq700\_M}$                             | $P_{eq750\_M}$                             |
|-------------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|
| $Q_{7,10}$<br>observada | Paracatu                                | $Q_{7,10} = 0,0603 P_{eq700}^{1,0444}$     | $Q_{7,10} = 0,062 P_{eq750}^{1,0528}$      |
|                         | Preto                                   | $Q_{7,10} = 1,99934 P_{eq700}^{0,403}$     | $Q_{7,10} = 1,99689 P_{eq750}^{0,41}$      |
|                         | Salobro/<br>Cana Brava                  | -                                          | -                                          |
|                         | Roncador                                | $Q_{7,10} = 0,68012 P_{eq700}^{0,001}$     | $Q_{7,10} = 0,69013 P_{eq750}^{0,001}$     |
|                         | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{7,10} = 0,021 P_{eq700}^{1,312}$       | $Q_{7,10} = 0,02373 P_{eq750}^{1,308}$     |
|                         | São Pedro                               | $Q_{7,10} = 0,08407 P_{eq700}^{1,026}$     | $Q_{7,10} = 0,08953 P_{eq750}^{1,031}$     |
|                         | Rio do Sono                             | $Q_{7,10} = 0,16548 e^{(P_{eq700} 0,038)}$ | $Q_{7,10} = 0,17535 e^{(P_{eq750} 0,041)}$ |
|                         | Sto Antônio                             | $Q_{7,10} = 0,45101 P_{eq700}^{0,37}$      | $Q_{7,10} = 0,45262 P_{eq750}^{0,384}$     |
|                         | Escuro                                  | $Q_{7,10} = 0,19019 P_{eq700}^{0,808}$     | $Q_{7,10} = 0,19733 P_{eq750}^{0,813}$     |
|                         | Escurinho                               | $Q_{7,10} = 1,99843 P_{eq700}^{0,121}$     | $Q_{7,10} = 1,99976 P_{eq750}^{0,125}$     |
|                         | Sta Isabel                              | -                                          | -                                          |
| $Q_{mld}$<br>natural    | Paracatu                                | $Q_{mld} = 0,5211 P_{eq700}^{1,0166}$      | $Q_{mld} = 0,535 P_{eq750}^{1,0249}$       |
|                         | Preto                                   | $Q_{mld} = 1,9901 P_{eq700}^{0,771}$       | $Q_{mld} = 1,99563 P_{eq750}^{0,783}$      |
|                         | Salobro/<br>Cana Brava                  | $Q_{mld} = 1,99913 P_{eq700}^{0,544}$      | $Q_{mld} = 1,99703 P_{eq750}^{0,563}$      |
|                         | Roncador                                | $Q_{mld} = 1,99703 P_{eq700}^{0,496}$      | $Q_{mld} = 1,99619 P_{eq750}^{0,516}$      |
|                         | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{mld} = 0,55216 P_{eq700}^{1,013}$      | $Q_{mld} = 0,59983 P_{eq750}^{1,013}$      |
|                         | São Pedro                               | $Q_{mld} = 1,6856 P_{eq700}^{0,705}$       | $Q_{mld} = 1,74013 P_{eq750}^{0,713}$      |
|                         | Rio do Sono                             | $Q_{mld} = 1,99255 P_{eq700}^{0,739}$      | $Q_{mld} = 1,99241 P_{eq750}^{0,753}$      |
|                         | Sto Antônio                             | $Q_{mld} = 0,91021 P_{eq700}^{0,87}$       | $Q_{mld} = 0,95025 P_{eq750}^{0,88}$       |
|                         | Escuro                                  | $Q_{mld} = 1,14625 P_{eq700}^{0,851}$      | $Q_{mld} = 1,19301 P_{eq750}^{0,856}$      |
|                         | Escurinho                               | $Q_{mld} = 1,99724 P_{eq700}^{0,647}$      | $Q_{mld} = 1,99605 P_{eq750}^{0,661}$      |
|                         | Sta Isabel                              | $Q_{mld} = 1,99843 P_{eq700}^{0,307}$      | $Q_{mld} = 1,99696 P_{eq750}^{0,326}$      |
|                         |                                         |                                            |                                            |
| $Q_{90}$<br>natural     | Paracatu                                | $Q_{90} = 0,0747 P_{eq700}^{1,1098}$       | $Q_{90} = 0,0768 P_{eq750}^{1,1189}$       |
|                         | Preto                                   | $Q_{90} = 1,99997 P_{eq700}^{0,531}$       | $Q_{90} = 1,99731 P_{eq750}^{0,54}$        |
|                         | Salobro/<br>Cana Brava                  | $Q_{90} = 1,6814 P_{eq700}^{0,092}$        | $Q_{90} = 1,63625 P_{eq750}^{0,107}$       |
|                         | Roncador                                | $Q_{90} = 0,99414 e^{(P_{eq700} 0,033)}$   | $Q_{90} = 0,99008 e^{(P_{eq750} 0,037)}$   |
|                         | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{90} = 0,03402 P_{eq700}^{1,353}$       | $Q_{90} = 0,03829 P_{eq750}^{1,351}$       |
|                         | São Pedro                               | $Q_{90} = 0,20104 P_{eq700}^{0,97}$        | $Q_{90} = 0,21224 P_{eq750}^{0,977}$       |
|                         | Rio do Sono                             | $Q_{90} = 0,77868 e^{(P_{eq700} 0,03)}$    | $Q_{90} = 0,84336 e^{(P_{eq750} 0,032)}$   |
|                         | Sto Antônio                             | $Q_{90} = 0,62559 P_{eq700}^{0,52}$        | $Q_{90} = 0,63658 P_{eq750}^{0,533}$       |
|                         | Escuro                                  | $Q_{90} = 0,39732 P_{eq700}^{0,777}$       | $Q_{90} = 0,41132 P_{eq750}^{0,782}$       |
|                         | Escurinho                               | $Q_{90} = 1,98527 P_{eq700}^{0,268}$       | $Q_{90} = 1,99962 P_{eq750}^{0,273}$       |
|                         | Sta Isabel                              | -                                          | -                                          |

Continua...

Quadro 24E – Cont.

| Vazão                        | Rio                                     | $P_{eq700\_M}$                             | $P_{eq750\_M}$                             |
|------------------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|
| Q <sub>95</sub><br>natural   | Paracatu                                | $Q_{95} = 0,0631 P_{eq700}^{1,1083}$       | $Q_{95} = 0,0649 P_{eq750}^{1,1173}$       |
|                              | Preto                                   | $Q_{95} = 1,48645 P_{eq700}^{0,553}$       | $Q_{95} = 1,45586 P_{eq750}^{0,566}$       |
|                              | Salobro/<br>Cana Brava                  | $Q_{95} = 1,36213 P_{eq700}^{0,113}$       | $Q_{95} = 1,30312 P_{eq750}^{0,136}$       |
|                              | Roncador                                | $Q_{95} = 0,98959 e^{(P_{eq700} 0,024)}$   | -                                          |
|                              | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{95} = 0,02016 P_{eq700}^{1,432}$       | $Q_{95} = 0,0231 P_{eq750}^{1,427}$        |
|                              | São Pedro                               | $Q_{95} = 0,12908 P_{eq700}^{1,049}$       | $Q_{95} = 0,13615 P_{eq750}^{1,058}$       |
|                              | Rio do Sono                             | $Q_{95} = 0,34685 e^{(P_{eq700} 0,036)}$   | $Q_{95} = 0,36071 e^{(P_{eq750} 0,039)}$   |
|                              | Sto Antônio                             | $Q_{95} = 0,6216 P_{eq700}^{0,438}$        | $Q_{95} = 0,6286 P_{eq750}^{0,45}$         |
|                              | Escuro                                  | $Q_{95} = 0,32991 P_{eq700}^{0,779}$       | $Q_{95} = 0,34405 P_{eq750}^{0,782}$       |
|                              | Escurinho                               | $Q_{95} = 1,99241 P_{eq700}^{0,222}$       | $Q_{95} = 1,99969 P_{eq750}^{0,226}$       |
|                              | Sta Isabel                              | -                                          | -                                          |
| Q <sub>7,10</sub><br>natural | Paracatu                                | $Q_{7,10} = 0,0601 P_{eq700}^{1,0565}$     | $Q_{7,10} = 0,0618 P_{eq750}^{1,065}$      |
|                              | Preto                                   | $Q_{7,10} = 1,48806 P_{eq700}^{0,474}$     | $Q_{7,10} = 1,45607 P_{eq750}^{0,486}$     |
|                              | Salobro/<br>Cana Brava                  | -                                          | $Q_{7,10} = 0,98994 e^{(P_{eq750} 0,007)}$ |
|                              | Roncador                                | -                                          | -                                          |
|                              | Entre-<br>ribeiros/<br>Barra da<br>Égua | $Q_{7,10} = 0,02744 P_{eq700}^{1,269}$     | $Q_{7,10} = 0,03066 P_{eq750}^{1,267}$     |
|                              | São Pedro                               | $Q_{7,10} = 0,08862 P_{eq700}^{1,03}$      | $Q_{7,10} = 0,09429 P_{eq750}^{1,036}$     |
|                              | Rio do Sono                             | $Q_{7,10} = 0,24801 e^{(P_{eq700} 0,035)}$ | $Q_{7,10} = 0,23198 e^{(P_{eq750} 0,039)}$ |
|                              | Sto Antônio                             | $Q_{7,10} = 0,42014 P_{eq700}^{0,432}$     | $Q_{7,10} = 0,4326 P_{eq750}^{0,432}$      |
|                              | Escuro                                  | $Q_{7,10} = 0,18186 P_{eq700}^{0,832}$     | $Q_{7,10} = 0,19985 P_{eq750}^{0,825}$     |
|                              | Escurinho                               | $Q_{7,10} = 1,99752 P_{eq700}^{0,144}$     | $Q_{7,10} = 1,99724 P_{eq750}^{0,146}$     |
|                              | Sta Isabel                              | -                                          | -                                          |