

Flor-Arnau *et al.*, 2015. Índice de Macrófitos Fluviales (IMF), una nueva herramienta para evaluar el estado ecológico de los ríos mediterráneos. *Limnetica* 34 (1): 95-114

MATERIAL SUPLEMENTARIO

**Tabla S1.** Principales características de los índices de macrófitos calculados. El acrónimo Z&M corresponde al trabajo de Zelinka & Marvan (1961). Se indica el número de taxones considerado por cada índice (n). *Mean characteristics of the calculated macrophyte indices. The acronym Z&M corresponds to the paper by Zelinka & Marvan (1961). Number of taxa considered by each index is indicated (n).*

|   | IMF                    | IBMR                   | IVAM-CLM         | IVAM-FBL         | IM               |
|---|------------------------|------------------------|------------------|------------------|------------------|
| Resolución taxonómica                   | Especie/Género         | Especie/Género         | Género/Grupo     | Género/Grupo     | Género/Grupo     |
| Formulación                             | Z&M                    | Z&M                    | Z&M              | Z&M              | Índice aditivo   |
| Clases de abundancia (k <sub>i</sub> )  | 1-5                    | 1-5                    | 1-3              | 1-3              | 1-3              |
| Rango de sensibilidad (C <sub>s</sub> ) | 1-20                   | 1-20                   | 2-8              | 2-8              | -                |
| Rango de estenoicidad (E <sub>i</sub> ) | 1-3                    | 1-3                    | 1-2.5            | 1-2.5            | -                |
| Comunidad de macrófitos                 | Hidrófitos y helófitos | Hidrófitos y helófitos | Hidrófitos       | Hidrófitos       | Hidrófitos       |
| Algas (n)                               | 31                     | 42                     | 36               | 33               | 13               |
| Hepáticas (n)                           | 8                      | 15                     | (nivel de grupo) | (nivel de grupo) | (nivel de grupo) |
| Musgos (n)                              | 30                     | 37                     | (nivel de grupo) | (nivel de grupo) | (nivel de grupo) |
| Pteridófitos (n)                        | 5                      | 3                      | 1                | 0                | 0                |
| Angiospermas (n)                        | 50                     | 107                    | 13               | 8                | 10               |
| Heterótrofos (n)                        | 0                      | 2                      | 0                | 0                | 0                |
| Líquenes (n)                            | 0                      | 2                      | 0                | 1                | 0                |

**Tabla S2.** Esquema del método de asignación de valores IMF de sensibilidad respecto a la eutrofia ( $C_s$ ) y de estenoicidad ( $E_i$ ) de los taxones. Los grupos I, II, III y IV corresponden al método de asignación el IVAM-CLM (Moreno *et al.*, 2006). *Schematic method of assigning IMF values of sensitivity ( $C_s$ ) and ecological range ( $E_i$ ). Groups I, II, III and IV correspond to the IVAM-CLM method (Moreno *et al.*, 2006).*

**Tabla S2**

|           | Sensibilidad ( $C_s$ ) |            |              | Estenoicidad ( $E_i$ ) |            |              |
|-----------|------------------------|------------|--------------|------------------------|------------|--------------|
|           | Valores máximos IVAM   |            | Valores IBMR | Rango IVAM             |            | Valores IBMR |
|           | N_NH4                  | P_PO4      |              | N_NH4                  | P_PO4      |              |
| Grupo I   | < 0.2 mg/L             | < 0.1 mg/L | 16-20        | > 1 mg/L               | > 1 mg/L   | 1            |
| Grupo II  | < 1 mg/L               | 1-0.1 mg/L | 11-15        | < 1 mg/L               | > 1 mg/L   | 2            |
| Grupo III | < 1 mg/L               | > 1 mg/L   | 6-10         | < 1 mg/L               | 1-0.2 mg/L | 2            |
| Grupo IV  | > 1 mg/L               | > 1 mg/L   | 0-5          | < 1 mg/L               | <0.2 mg/L  | 3            |

**Tabla S3.** Valores de sensibilidad respecto a la eutrofia ( $Cs_i$ ) y de estenoicidad ( $E_i$ ) de los taxones considerados por el IMF habiendo tenido en cuenta 298 estaciones. Se indica el número de estaciones utilizadas en cada asignación ( $n$ ) y se destaca en negrita los taxones con pocas recolecciones ( $n < 5$ ). *Sensitivity values ( $Cs_i$ ) and ecological range values ( $E_i$ ) for the IMF taxa having considered 298 sites. Number of sites considered during each assignment is indicated ( $n$ ) and taxa collected in fewer sites ( $n < 5$ ) highlighted in bold.*

| Angiospermas                                     | n        | Csi        | Ei        | Algas                                     | n        | Csi        | Ei        |
|--|----------|------------|-----------|---|----------|------------|-----------|
| <i>Agrostis stolonifera</i>                      | 24       | 12         | 2         | <b>Audouinella sp.</b>                    | 3        | 16         | 3         |
| <i>Alisma lanceolatum</i>                        | 5        | 12         | 2         | <i>Bangia atropurpurea</i>                | 8        | 18         | 3         |
| <i>Alisma plantago-aquatica</i>                  | 14       | 4          | 1         | <i>Batrachospermum sp.</i>                | 7        | 18         | 2         |
| <i>Apium graveolens</i>                          | 6        | 18         | 3         | <b>Chara hispida var. hispida</b>         | 4        | 18         | 3         |
| <i>Apium nodiflorum</i>                          | 92       | 4          | 1         | <b>Chara vulgaris var. gymnophylla</b>    | 3        | 18         | 3         |
| <i>Bolboschoenus maritimus</i>                   | 8        | 8          | 2         | <i>Chara vulgaris var. longibracteata</i> | 22       | 16         | 2         |
| <i>Catabrosa aquatica</i>                        | 22       | 12         | 3         | <i>Chara vulgaris var. vulgaris</i>       | 10       | 16         | 3         |
| <i>Ceratophyllum demersum</i>                    | 19       | 8          | 1         | <i>Cladophora sp.</i>                     | 174      | 4          | 1         |
| <i>Cladium mariscus</i>                          | 7        | 18         | 3         | <b>Compsopogon sp.</b>                    | 4        | 12         | 3         |
| <i>Eleocharis palustris</i>                      | 14       | 16         | 3         | <b>Cymbella sp.</b>                       | 4        | 16         | 3         |
| <i>Epilobium hirsutum</i>                        | 40       | 4          | 1         | <i>Diatoma sp.</i>                        | 6        | 18         | 3         |
| <i>Eupatorium cannabinum</i>                     | 20       | 16         | 3         | <i>Enteromorpha sp.</i>                   | 15       | 8          | 2         |
| <i>Galium palustre</i>                           | 14       | 8          | 2         | <i>Hildenbrandia rivularis</i>            | 13       | 16         | 2         |
| <i>Glyceria fluitans</i>                         | 13       | 12         | 3         | <b>Hydrodictyon reticulatum</b>           | 4        | 8          | 2         |
| <i>Groenlandia densa</i>                         | 9        | 18         | 2         | <i>Lemanea sp.</i>                        | 34       | 18         | 3         |
| <i>Iris pseudacorus</i>                          | 8        | 16         | 3         | <i>Melosira varians</i>                   | 43       | 8          | 2         |
| <i>Juncus articulatus</i>                        | 32       | 16         | 3         | <i>Microspora sp.</i>                     | 11       | 12         | 2         |
| <i>Juncus bufonius</i>                           | 13       | 8          | 2         | <i>Mougeotia sp.</i>                      | 11       | 18         | 2         |
| <i>Juncus inflexus</i>                           | 18       | 8          | 2         | <i>Nostoc sp.</i>                         | 24       | 18         | 3         |
| <i>Juncus subnodulosus</i>                       | 8        | 16         | 3         | <i>Oscillatoria sp.</i>                   | 19       | 4          | 1         |
| <i>Lemna gibba</i>                               | 17       | 8          | 2         | <i>Phormidium sp.</i>                     | 73       | 8          | 2         |
| <i>Lemna minor</i>                               | 31       | 8          | 1         | <i>Rhizoclonium sp.</i>                   | 15       | 12         |           |
| <i>Lycopus europaeus</i>                         | 39       | 4          | 1         | <i>Rivularia sp.</i>                      | 29       | 18         | 3         |
| <i>Lysimachia vulgaris</i>                       | 14       | 12         | 3         | <i>Spirogyra sp.</i>                      | 105      | 4          | 1         |
| <i>Lythrum salicaria</i>                         | 46       | 4          | 1         | <i>Stigeoclonium sp.</i>                  | 6        | 4          | 1         |
| <i>Mentha aquatica</i>                           | 11       | 12         | 2         | <b>Tetraspora sp.</b>                     | 3        | 16         | 3         |
| <i>Mentha longifolia</i>                         | 23       | 18         | 3         | <b>Thorea ramosissima</b>                 | 3        | 18         | 2         |
| <i>Myriophyllum alterniflorum</i>                | 6        | 16         | 2         | <b>Tribonema sp.</b>                      | 4        | 18         | 2         |
| <i>Myriophyllum spicatum</i>                     | 19       | 8          | 2         | <i>Ulothrix sp.</i>                       | 24       | 4          | 1         |
| <i>Oenanthe fistulosa</i>                        | 18       | 18         | 3         | <i>Vaucheria sp.</i>                      | 42       | 12         | 2         |
| <i>Polygonum persicaria</i>                      | 31       | 4          | 1         | <i>Zygnema sp.</i>                        | 9        | 18         | 3         |
| <i>Potamogeton crispus</i>                       | 17       | 12         | 2         |   |          |            |           |
| <i>Potamogeton fluitans</i>                      | 6        | 11         | 3         | <b>Musgos</b>                             | <b>n</b> | <b>Csi</b> | <b>Ei</b> |
| <i>Potamogeton pectinatus</i>                    | 39       | 8          | 3         | <i>Barbula bolleana</i>                   | 7        | 18         | 3         |
| <b>Potentilla palustris</b>                      | 4        | 18         | 3         | <b>Brachythecium plumosum</b>             | 4        | 18         | 3         |
| <b>Ranunculus acris</b>                          | 4        | 18         | 2         | <i>Brachythecium rivulare</i>             | 5        | 18         | 3         |
| <i>Ranunculus peltatus</i>                       | 23       | 12         | 2         | <i>Brachythecium rutabulum</i>            | 7        | 18         | 3         |
| <i>Ranunculus penicillatus var. penicillatus</i> | 6        | 12         | 2         | <i>Bryum pseudotriquetrum</i>             | 21       | 15         | 3         |
| <i>Ranunculus repens</i>                         | 21       | 16         | 2         | <i>Calliergonella cuspidata</i>           | 8        | 18         | 3         |
| <i>Rorippa nasturtium-aquaticum</i>              | 95       | 8          | 2         | <i>Cinclidotus fontinaloides</i>          | 10       | 16         | 2         |
| <i>Rumex conglomeratus</i>                       | 21       | 8          | 2         | <i>Cinclidotus riparius</i>               | 7        | 16         | 3         |
| <b>Schoenoplectus lacustris subsp. glaucus</b>   | 3        | 4          | 1         | <i>Cratoneuron filicinum</i>              | 33       | 16         | 3         |
| <i>Schoenoplectus lacustris subsp. lacustris</i> | 26       | 12         | 1         | <i>Didymodon tophaceus</i>                | 19       | 16         | 3         |
| <i>Schoenus nigricans</i>                        | 7        | 18         | 2         | <i>Eucladium verticillatum</i>            | 6        | 18         | 3         |
| <i>Scirpoides holoschoenus</i>                   | 92       | 12         | 2         | <i>Eurhynchium hians</i>                  | 5        | 12         | 2         |
| <i>Scrophularia auriculata</i>                   | 32       | 4          | 1         | <i>Eurhynchium praelongum</i>             | 9        | 12         | 2         |
| <i>Sparganium erectum</i>                        | 22       | 8          | 2         | <b>Eurhynchium crassinervium</b>          | 4        | 18         | 3         |
| <i>Veronica anagallis-aquatica</i>               | 57       | 8          | 2         | <i>Fissidens crassipes</i>                | 23       | 18         | 3         |
| <i>Veronica beccabunga</i>                       | 30       | 12         | 3         | <b>Fissidens grandifrons</b>              | 4        | 18         | 3         |
| <b>Zannichellia palustris</b>                    | 3        | 16         | 3         | <i>Fissidens rufulus</i>                  | 6        | 16         | 2         |
|  |          |            |           | <i>Fontinalis antipyretica</i>            | 22       | 16         | 2         |
| <b>Hepáticas</b>                                 | <b>n</b> | <b>Csi</b> | <b>Ei</b> | <i>Fontinalis hypnoides var. duriaei</i>  | 16       | 16         | 2         |
| <i>Conocephalum conicum</i>                      | 11       | 18         | 3         | <b>Hygroamblystegium fluviatile</b>       | 3        | 18         | 2         |
| <b>Fossombronia sp.</b>                          | 4        | 18         | 3         | <b>Hygroamblystegium tenax</b>            | 4        | 18         | 3         |
| <i>Lophozia turbinata</i>                        | 5        | 16         | 3         | <i>Leptodictyum riparium</i>              | 50       | 12         | 2         |
| <i>Lunularia cruciata</i>                        | 15       | 12         | 2         | <i>Oxyrrhynchium speciosum</i>            | 5        | 16         | 3         |
| <i>Marchantia polymorpha</i>                     | 21       | 18         | 3         | <i>Palustriella commutata</i>             | 21       | 16         | 2         |
| <i>Metzgeria furcata</i>                         | 6        | 18         | 3         | <i>Palustriella falcata</i>               | 7        | 16         | 3         |
| <i>Pellia endiviifolia</i>                       | 51       | 16         | 2         | <b>Plagiomnium ellipticum</b>             | 4        | 18         | 3         |
| <i>Scapania undulada</i>                         | 6        | 16         | 3         | <i>Plagiomnium undulatum</i>              | 14       | 18         | 3         |
|  |          |            |           | <i>Platyhypnidium riparioides</i>         | 68       | 12         | 3         |
| <b>Pteridófitos</b>                              | <b>n</b> | <b>Csi</b> | <b>Ei</b> | <i>Pohlia melanodon</i>                   | 17       | 15         | 3         |
| <i>Azolla filiculoides</i>                       | 12       | 12         | 2         | <b>Rhizomnium punctatum</b>               | 4        | 12         | 2         |
| <i>Equisetum arvense</i>                         | 37       | 16         | 2         |   |          |            |           |
| <i>Equisetum palustre</i>                        | 8        | 18         | 2         |   |          |            |           |
| <i>Equisetum ramosissimum</i>                    | 25       | 18         | 3         |   |          |            |           |
| <i>Equisetum telmateia</i>                       | 6        | 18         | 3         |   |          |            |           |

**Tabla S4.** Valores de los índices de macrófitos calculados y los Cocientes de Calidad Ecológica. *Macrophyte index values and Ecological Quality Ratios.*

| Código grupo fluvial | Código estación | Nombre del río          | Provincia | UTM X  | UTM Y   | IMF  | EQR IMF | IBMR | EQR IBMR | IVAM-CLM | EQR IVAM-CLM | IVAM-FBL | EQR IVAM-FBL | IM | EQR IM |
|----------------------|-----------------|-------------------------|-----------|--------|---------|------|---------|------|----------|----------|--------------|----------|--------------|----|--------|
| 1                    | 111-P1          | Mayor                   | Logroño   | 524422 | 4661360 | 15.6 | 1.0     | 13.3 | 1.1      | 6.0      | 0.9          | 5.2      | 1.0          | 36 | 1.4    |
| 1                    | 111-P10         | Canoves                 | Barcelona | 446624 | 4612227 | 13.6 | 0.9     | 11.9 | 1.0      | 5.9      | 0.9          | 5.3      | 1.1          | 35 | 1.3    |
| 1                    | 111-P2          | Frío de Urbión          | Logroño   | 510956 | 4662973 | 14.6 | 1.0     | 13.5 | 1.1      | 6.5      | 1.0          | 5.9      | 1.2          | 31 | 1.2    |
| 1                    | 111-P3          | Avenco                  | Barcelona | 441278 | 4627270 | 15.7 | 1.1     | 10.0 | 0.8      | 6.6      | 1.0          | 5.4      | 1.1          | 24 | 0.9    |
| 1                    | 111-P4          | Tordera                 | Barcelona | 449057 | 4623789 | 14.4 | 1.0     | 11.0 | 0.9      | 6.4      | 1.0          | 5.0      | 1.0          | 27 | 1.0    |
| 1                    | 111-P5          | Gualba                  | Barcelona | 454548 | 4625755 | 13.5 | 0.9     | 14.4 | 1.2      | 5.9      | 0.9          | 4.8      | 0.9          | 21 | 0.8    |
| 1                    | 111-P6          | Pedroso                 | Burgos    | 470057 | 4655419 | 13.2 | 0.9     | 10.5 | 0.9      | 5.5      | 0.9          | 5.2      | 1.0          | 34 | 1.3    |
| 1                    | 111-P7          | Navaleno                | Soria     | 492914 | 4625911 | 10.5 | 0.7     | 10.3 | 0.9      | 5.2      | 0.8          | 5.3      | 1.0          | 28 | 1.1    |
| 1                    | 111-P8          | Riera de Breda          | Girona    | 463350 | 4621280 | 16.5 | 1.1     | 12.7 | 1.1      | 5.7      | 0.9          | 5.0      | 1.0          | 27 | 1.0    |
| 1                    | 111-P9          | Vallgorguina            | Barcelona | 456917 | 4612682 | 12.1 | 0.8     | 10.9 | 0.9      | 5.9      | 0.9          | 4.6      | 0.9          | 18 | 0.7    |
| 1                    | 127-P1          | Caballeros              | Ávila     | 286544 | 4645029 | 15.3 | 1.0     | 14.8 | 1.2      | 6.4      | 1.0          | 4.8      | 0.9          | 22 | 0.8    |
| 1                    | 127-P10         | Zúmel                   | Burgos    | 497700 | 4645759 | 11.7 | 0.8     | 10.5 | 0.9      | 6.0      | 0.9          | 5.2      | 1.0          | 28 | 1.1    |
| 1                    | 127-P2          | Navamediana             | Ávila     | 294818 | 4465949 | 15.6 | 1.0     | 16.1 | 1.3      | 6.4      | 1.0          | 5.0      | 1.0          | 19 | 0.7    |
| 1                    | 127-P3          | Bohoyo                  | Ávila     | 293252 | 4465637 | 14.9 | 1.0     | 14.3 | 1.2      | 6.4      | 1.0          | 5.4      | 1.1          | 26 | 1.0    |
| 1                    | 127-P4          | Torrent de la Casassa   | Girona    | 449616 | 4692516 | 15.4 | 1.0     | 10.4 | 0.9      | 6.2      | 1.0          | 5.2      | 1.0          | 37 | 1.4    |
| 1                    | 127-P5          | Torrent de Sant Nicolau | Lleida    | 324877 | 4712659 | 12.6 | 0.8     | 11.8 | 1.0      | 6.1      | 0.9          | 3.8      | 0.8          | 14 | 0.5    |
| 1                    | 127-P6          | Arriu de Valarties      | Lleida    | 325965 | 4728049 | 12.0 | 0.8     | 12.0 | 1.0      | 6.5      | 1.0          | 4.3      | 0.9          | 20 | 0.8    |
| 1                    | 127-P7          | Riu de Son              | Lleida    | 345190 | 4721071 | 15.1 | 1.0     | 9.7  | 0.8      | 6.5      | 1.0          | 4.7      | 0.9          | 13 | 0.5    |
| 1                    | 127-P8          | Esera                   | Huesca    | 304049 | 4728575 | 13.4 | 0.9     | 10.9 | 0.9      | 6.6      | 1.0          | 4.7      | 0.9          | 37 | 1.4    |
| 1                    | 127-P9          | Paul                    | Soria     | 509629 | 4642359 | 13.7 | 0.9     | 11.2 | 0.9      | 6.2      | 1.0          | 4.9      | 1.0          | 24 | 0.9    |
| 2                    | 112-P1          | Mirón                   | Albacete  | 567545 | 4286776 | 13.8 | 1.0     | 13.2 | 1.1      | 5.6      | 0.9          | 4.6      | 1.0          | 28 | 1.4    |
| 2                    | 112-P2          | Isábena                 | Huesca    | 285242 | 4674897 | 12.7 | 0.9     | 8.7  | 0.7      | 6.0      | 1.0          | 4.0      | 0.9          | 9  | 0.4    |
| 2                    | 112-P2          | Riera de Beget          | Girona    | 458969 | 4684294 | 12.9 | 0.9     | 10.2 | 0.9      | 6.2      | 1.0          | 5.0      | 1.1          | 29 | 1.4    |
| 2                    | 112-P3          | Riera de Borró          | Girona    | 472001 | 4673420 | 14.3 | 1.0     | 12.4 | 1.0      | 6.0      | 1.0          | 4.0      | 0.9          | 23 | 1.1    |
| 2                    | 112-P4          | Perles                  | Lleida    | 367128 | 4670877 | 14.6 | 1.1     | 11.8 | 1.0      | 5.8      | 1.0          | 4.1      | 0.9          | 21 | 1.0    |
| 2                    | 112-P5          | Rialb                   | Lleida    | 349008 | 4658202 | 16.4 | 1.2     | 15.0 | 1.3      | 6.3      | 1.1          | 4.4      | 1.0          | 9  | 0.4    |
| 2                    | 112-P6          | Cidacos                 | Navarra   | 610773 | 4717858 | 11.9 | 0.9     | 11.4 | 1.0      | 5.9      | 1.0          | 4.2      | 0.9          | 18 | 0.9    |
| 2                    | 112-P7          | Najerilla               | Logroño   | 526122 | 4705259 | 12.7 | 0.9     | 14.3 | 1.2      | 6.0      | 1.0          | 5.8      | 1.3          | 16 | 0.8    |
| 2                    | 112-P8          | Zadorra                 | Álava     | 545604 | 4746974 | 9.7  | 0.7     | 9.2  | 0.8      | 4.6      | 0.8          | 4.0      | 0.9          | 27 | 1.3    |
| 2                    | 112-P9          | Jiloca                  | Teruel    | 642369 | 4538650 | 11.9 | 0.9     | 8.1  | 0.7      | 3.4      | 0.6          | 2.7      | 0.6          | 12 | 0.6    |
| 2                    | 126-P1          | Merdàs                  | Girona    | 424455 | 4677941 | 13.7 | 1.0     | 11.9 | 1.0      | 6.0      | 1.0          | 4.6      | 1.0          | 19 | 0.9    |
| 2                    | 126-P10         | Ubagua                  | Navarra   | 586950 | 4734027 | 12.3 | 0.9     | 11.2 | 0.9      | 5.4      | 0.9          | 4.4      | 0.9          | 28 | 1.4    |
| 2                    | 126-P2          | Llosa                   | Lleida    | 392668 | 4691184 | 15.3 | 1.1     | 13.2 | 1.1      | 6.0      | 1.0          | 5.8      | 1.3          | 20 | 1.0    |
| 2                    | 126-P3          | Torrent de Cabiscol     | Lleida    | 391309 | 4687847 | 13.4 | 1.0     | 6.0  | 0.5      | 6.3      | 1.0          | 4.9      | 1.1          | 10 | 0.5    |
| 2                    | 126-P4          | Lavansa                 | Lleida    | 370981 | 4677681 | 11.3 | 0.8     | 11.6 | 1.0      | 6.1      | 1.0          | 5.4      | 1.2          | 34 | 1.7    |
| 2                    | 126-P5          | Torrent de Sant Antoni  | Lleida    | 345433 | 4701340 | 13.6 | 1.0     | 12.4 | 1.0      | 5.6      | 0.9          | 4.4      | 1.0          | 20 | 1.0    |
| 2                    | 126-P6          | Areta                   | Navarra   | 639091 | 4727339 | 13.0 | 0.9     | 10.9 | 0.9      | 5.3      | 0.9          | 4.9      | 1.1          | 34 | 1.7    |
| 2                    | 126-P7          | Ebro                    | Santander | 406102 | 4761649 | 11.7 | 0.9     | 12.2 | 1.0      | 5.2      | 0.9          | 5.4      | 1.2          | 21 | 1.0    |
| 2                    | 126-P8          | Zadorra                 | Álava     | 530511 | 4750815 | 11.7 | 0.9     | 11.5 | 1.0      | 5.3      | 0.9          | 4.0      | 0.9          | 17 | 0.8    |
| 2                    | 126-P9          | Juslapeña               | Navarra   | 604501 | 4741617 | 9.3  | 0.7     | 7.7  | 0.6      | 4.6      | 0.8          | 2.9      | 0.6          | 14 | 0.7    |
| 3                    | 109-P1          | Luesia                  | Zaragoza  | 661173 | 4693406 | 14.3 | 1.1     | 12.7 | 1.2      | 4.6      | 0.9          | 3.7      | 0.8          | 23 | 1.0    |
| 3                    | 109-P10         | Mogent                  | Barcelona | 439026 | 4600121 | 6.0  | 0.5     | 8.7  | 0.8      | 3.2      | 0.6          | 2.0      | 0.4          | 5  | 0.2    |
| 3                    | 109-P2          | Reatillo                | Valencia  | 671560 | 4379539 | 13.2 | 1.0     | 12.1 | 1.2      | 4.8      | 0.9          | 5.5      | 1.2          | 22 | 1.0    |
| 3                    | 109-P3          | Palancia                | Castellón | 695504 | 4421346 | 13.8 | 1.1     | 12.8 | 1.2      | 5.6      | 1.1          | 4.8      | 1.0          | 32 | 1.4    |
| 3                    | 109-P4          | Alcora                  | Castellón | 736122 | 4443534 | 11.0 | 0.8     | 9.5  | 0.9      | 5.3      | 1.0          | 3.2      | 0.7          | 18 | 0.8    |
| 3                    | 109-P5          | Mijares                 | Valencia  | 678593 | 4360005 | 14.1 | 1.1     | 12.6 | 1.2      | 5.8      | 1.1          | 5.8      | 1.3          | 40 | 1.7    |
| 3                    | 109-P6          | Riera de Mura           | Barcelona | 411893 | 4618261 | 12.2 | 0.9     | 9.1  | 0.9      | 5.3      | 1.0          | 4.4      | 0.9          | 30 | 1.3    |
| 3                    | 109-P7          | Sosa                    | Huesca    | 268202 | 4643865 | 10.7 | 0.8     | 9.2  | 0.9      | 4.2      | 0.8          | 3.1      | 0.7          | 8  | 0.3    |
| 3                    | 109-P8          | Vero                    | Huesca    | 265294 | 4653704 | 8.0  | 0.6     | 8.8  | 0.9      | 3.2      | 0.6          | 2.0      | 0.4          | 12 | 0.5    |
| 3                    | 109-P9          | Foix                    | Barcelona | 386080 | 4570749 | 11.0 | 0.8     | 9.7  | 0.9      | 5.9      | 1.1          | 4.7      | 1.0          | 22 | 1.0    |
| 3                    | 110-P1          | Torrent de la Capelleta | Barcelona | 375509 | 4586564 | 14.8 | 1.1     | 13.1 | 1.3      | 6.5      | 1.2          | 5.5      | 1.2          | 21 | 0.9    |
| 3                    | 110-P10         | Francolí                | Tarragona | 351191 | 4569889 | 9.3  | 0.7     | 8.2  | 0.8      | 3.6      | 0.7          | 4.6      | 1.0          | 14 | 0.6    |
| 3                    | 110-P2          | Algar                   | Alicante  | 752627 | 4283156 | 13.1 | 1.0     | 9.7  | 0.9      | 5.6      | 1.1          | 4.6      | 1.0          | 47 | 2.0    |
| 3                    | 110-P3          | Brugent                 | Tarragona | 343408 | 4574577 | 15.4 | 1.2     | 12.3 | 1.2      | 5.9      | 1.1          | 5.6      | 1.2          | 37 | 1.6    |
| 3                    | 110-P4          | Riera de Carmen         | Barcelona | 380975 | 4597826 | 14.8 | 1.1     | 11.9 | 1.2      | 5.9      | 1.1          | 4.2      | 0.9          | 18 | 0.8    |
| 3                    | 110-P5          | Gaià                    | Tarragona | 363603 | 4583046 | 11.2 | 0.9     | 9.3  | 0.9      | 6.3      | 1.2          | 4.7      | 1.0          | 18 | 0.8    |
| 3                    | 110-P6          | Cabecera del Foix       | Barcelona | 384313 | 4583609 | 14.5 | 1.1     | 8.8  | 0.9      | 6.2      | 1.2          | 4.9      | 1.0          | 18 | 0.8    |
| 3                    | 110-P7          | Guadalest               | Alicante  | 754605 | 4279324 | 9.5  | 0.7     | 9.9  | 1.0      | 4.3      | 0.8          | 4.0      | 0.9          | 13 | 0.6    |
| 3                    | 110-P8          | Algar                   | Alicante  | 757534 | 4277664 | 10.0 | 0.8     | 10.2 | 1.0      | 3.4      | 0.6          | 2.5      | 0.5          | 9  | 0.4    |
| 3                    | 110-P9          | Anoia                   | Barcelona | 397087 | 4590598 | 7.6  | 0.6     | 9.1  | 0.9      | 3.5      | 0.7          | 2.0      | 0.4          | 6  | 0.3    |
| 3                    | 118-P1          | Girona                  | Alicante  | 240195 | 4302080 | 9.1  | 0.7     | 10.3 | 1.0      | 4.9      | 0.9          | 5.2      | 1.1          | 46 | 2.0    |
| 3                    | 118-P2          | Jaraco                  | Valencia  | 738033 | 4328127 | 8.2  | 0.6     | 8.6  | 0.8      | 4.6      | 0.9          | 3.6      | 0.8          | 29 | 1.3    |
| 3                    | 118-P3          | Bernisa                 | Valencia  | 743211 | 4313765 | 8.7  | 0.7     | 9.1  | 0.9      | 4.6      | 0.9          | 3.3      | 0.7          | 28 | 1.2    |
| 3                    | 118-P4          | Riera de Boella         | Tarragona | 348300 | 4552290 | 7.1  | 0.5     | 12.3 | 1.2      | 7.3      | 1.4          | 2.0      | 0.4          | 3  | 0.1    |
| 4                    | 113-P1          | Verde                   | Alicante  | 710403 | 4267125 | 10.0 | 0.7     | 7.7  | 0.7      | 3.5      | 0.9          | 3.2      | 0.7          | 5  | 0.3    |
| 4                    | 113-P2          | Chicamo                 | Murcia    | 674971 | 4236898 | 15.3 | 1.1     | 12.9 | 1.2      | 4.8      | 1.2          | 4.6      | 1.1          | 18 | 0.9    |
| 4                    | 113-P3          | Vinalopó                | Alicante  | 706238 | 4287734 | 13.9 | 1.0     | 13.8 | 1.3      | 5.7      | 1.4          | 4.9      | 1.1          | 45 | 2.3    |
| 4                    | 113-P4          | Aguas                   | Almería   | 582517 | 4105348 | 12.9 | 1.0     | 9.2  | 0.8      | 3.2      | 0.8          | 2.0      | 0.5          | 4  | 0.2    |
| 4                    | 113-P5          | Vinalopó-Benejama       | Alicante  | 698841 | 4287400 | 9.0  | 0.7     | 8.5  | 0.8      | 4.2      | 1.0          | 2.7      | 0.6          | 22 | 1.1    |
| 4                    | 113-P6          | Vinalopó                | Alicante  | 691848 | 4258872 | 8.0  | 0.6     | 3.0  | 0.3      | -        | -            | 6.0      | 1.4          | 2  | 0.1    |
| 4                    | 113-P7          | Montnegre               | Alicante  | 721274 | 4258038 | 8.7  | 0.7     | 8.2  | 0.7      | 3.5      | 0.9          | 2.9      | 0.7          | 10 | 0.5    |
| 4                    | 113-P8          | Vinalopó                | Alicante  | 700571 | 4232385 | 7.4  | 0.6     | 6.4  | 0.6      | 2.0      | 0.5          | 4.9      | 1.1          | 2  | 0.1    |
| 4                    | 114-P1          | Turía                   | Valencia  | 688532 | 4386862 | 11.6 | 0.9     | 9.1  | 0.8      | 2.7      | 0.7          | 4.1      | 0.9          | 22 | 1.1    |
| 4                    | 114-P2          | Turía                   | Valencia  | 709351 | 4380742 | 9.5  | 0.7     | 8.1  | 0.7      | 4.3      | 1.1          | 3.3      | 0.8          | 16 | 0.8    |
| 4                    | 114-P3          | Turía                   | Valencia  | 714016 | 4378028 | 7.3  | 0.5     | 9.4  | 0.9      | 4.0      | 1.0          | 2.0      | 0.5          | 4  | 0.2    |
| 4                    | 114-P4          | Mijares                 | Castellón | 751593 | 4424308 | 8.3  | 0.6     | 8.8  | 0.8      | 3.0      | 0.8          | 2.0      | 0.5          | 3  | 0.2    |
| 4                    | 114-P5          | Turía                   | Valencia  | 716754 | 4376648 | 8.0  | 0.6     | 8.1  | 0.7      | 3.4      | 0.8          | 2.5      | 0.6          | 8  | 0.4    |
| 4                    | 114-P6          | Turía                   | Valencia  | 720122 | 4373950 | 10.3 | 0.8     | 9.4  | 0.9      | 4.5      | 1.1          | 4.0      | 0.9          | 19 | 1.0    |
| 4                    | 114-P7          | Guadalete               | Cádiz     | 763426 | 4059673 | 7.2  | 0.5     | 9.3  | 0.8      | 3.4      | 0.8          | 2.5      | 0.6          | 16 | 0.8    |

| Código grupo fluvial | Código estación | Nombre del río         | Provincia   | UTM X  | UTM Y   | IMF  | EQR IMF | IBMR | EQR IBMR | IVAM-CLM | EQR IVAM-CLM | IVAM-FBL | EQR IVAM-FBL | IM | EQR IM |
|----------------------|-----------------|------------------------|-------------|--------|---------|------|---------|------|----------|----------|--------------|----------|--------------|----|--------|
| 4                    | 114-P8          | Guadalquivir           | Jaen        | 443284 | 4200139 | 6.3  | 0.5     | 7.9  | 0.7      | 2.0      | 0.5          | 2.0      | 0.5          | 7  | 0.4    |
| 5                    | 102-P1          | Arroyo de los Picachos | Córdoba     | 314964 | 4181033 | 4.7  | 0.5     | 8.7  | 1.0      | 3.1      | 1.0          | 2.0      | 0.7          | 9  | 1.3    |
| 5                    | 102-P10         | Rivera de Nicoba       | Huelva      | 683116 | 4134174 | 12.7 | 1.4     | 7.8  | 0.9      | 3.2      | 1.0          | 3.3      | 1.2          | 9  | 1.3    |
| 5                    | 102-P2          | Caño del Guadiamar     | Huelva      | 732609 | 4106763 | 8.4  | 0.9     | 7.6  | 0.8      | 2.0      | 0.7          | 3.6      | 1.3          | 20 | 2.9    |
| 5                    | 102-P3          | Arroyo Helechoso       | Huelva      | 707149 | 4140951 | 15.0 | 1.6     | 9.1  | 1.0      | 5.5      | 1.8          | 2.9      | 1.0          | 22 | 3.1    |
| 5                    | 102-P4          | Arroyo de Majalberaque | Sevilla     | 749625 | 4124149 | 6.2  | 0.7     | 6.6  | 0.7      | 3.0      | 1.0          | 3.3      | 1.2          | 7  | 1.0    |
| 5                    | 102-P5          | Arroyo Cascajo         | Sevilla     | 246897 | 4161112 | 4.8  | 0.5     | 10.7 | 1.2      | 3.2      | 1.0          | 2.0      | 0.7          | 4  | 0.6    |
| 5                    | 102-P6          | Arroyo de Guadalora    | Sevilla     | 279047 | 4168178 | 10.5 | 1.1     | 9.6  | 1.1      | 4.0      | 1.3          | 2.0      | 0.7          | 3  | 0.4    |
| 5                    | 102-P7          | Arroyo de la Marota    | Córdoba     | 323548 | 4183758 | 7.8  | 0.9     | 9.3  | 1.0      | 2.9      | 0.9          | 2.0      | 0.7          | 8  | 1.1    |
| 5                    | 102-P8          | Arroyo de Guadalmezán  | Córdoba     | 320332 | 4184618 | 9.2  | 1.0     | 9.1  | 1.0      | 3.4      | 1.1          | 2.0      | 0.7          | 5  | 0.7    |
| 5                    | 102-P9          | Cañada Fría            | Sevilla     | 757444 | 4125979 | -    | -       | 7.7  | 0.8      | -        | -            | -        | -            | -  | -      |
| 5                    | 105-P1          | Mirón Montemayor       | Albacete    | 567601 | 4294069 | 9.5  | 1.0     | 9.1  | 1.0      | 3.5      | 1.1          | 2.0      | 0.7          | 6  | 0.9    |
| 5                    | 105-P2          | Zaíncara               | Cuenca      | 541460 | 4420650 | 7.1  | 0.8     | 9.4  | 1.0      | 3.4      | 1.1          | 2.0      | 0.7          | 5  | 0.7    |
| 5                    | 105-P3          | Cigüela                | Cuenca      | 534485 | 4429226 | 5.4  | 0.6     | 8.6  | 0.9      | 2.9      | 0.9          | 2.0      | 0.7          | 5  | 0.7    |
| 5                    | 105-P4          | Jabalón                | Ciudad Real | 451002 | 4293261 | 9.1  | 1.0     | 9.1  | 1.0      | 2.0      | 0.7          | 2.0      | 0.7          | 10 | 1.4    |
| 5                    | 105-P5          | Azuer                  | Ciudad Real | 490569 | 4296850 | 8.2  | 0.9     | 9.7  | 1.1      | 3.7      | 1.2          | 2.0      | 0.7          | 4  | 0.6    |
| 5                    | 105-P6          | Algodor                | Toledo      | 430108 | 4377804 | 5.1  | 0.6     | 9.6  | 1.1      | 4.0      | 1.3          | 2.0      | 0.7          | 3  | 0.4    |
| 5                    | 105-P7          | Pinilla                | Albacete    | 534867 | 4297553 | 9.1  | 1.0     | 9.3  | 1.0      | 5.5      | 1.8          | 3.5      | 1.2          | 12 | 1.7    |
| 5                    | 105-P8          | Záncara                | Ciudad Real | 504747 | 4355905 | 7.0  | 0.8     | 8.9  | 1.0      | 2.5      | 0.8          | 4.4      | 1.5          | 5  | 0.7    |
| 5                    | 105-P9          | Valdemembra            | Albacete    | 594008 | 4347471 | 6.6  | 0.7     | 10.0 | 1.1      | 4.0      | 1.3          | 2.0      | 0.7          | 4  | 0.6    |
| 5                    | 107-P1          | La Toba                | Granada     | 447807 | 4077416 | 10.5 | 1.1     | 9.5  | 1.1      | 3.4      | 1.1          | 3.1      | 1.1          | 7  | 1.0    |
| 5                    | 107-P10         | Anzur                  | Córdoba     | 358055 | 4137342 | 9.3  | 1.0     | 10.3 | 1.1      | 4.9      | 1.6          | 4.1      | 1.4          | 21 | 3.0    |
| 5                    | 107-P2          | Guadalmedina           | Málaga      | 372339 | 4072177 | 10.2 | 1.1     | 9.4  | 1.0      | 3.1      | 1.0          | 3.2      | 1.1          | 12 | 1.7    |
| 5                    | 107-P3          | Campanillas            | Málaga      | 364097 | 4078200 | 9.2  | 1.0     | 9.7  | 1.1      | 3.2      | 1.0          | 3.5      | 1.2          | 16 | 2.3    |
| 5                    | 107-P4          | Grande                 | Málaga      | 335972 | 4061380 | 9.5  | 1.0     | 8.0  | 0.9      | 2.7      | 0.9          | 2.0      | 0.7          | 3  | 0.4    |
| 5                    | 107-P5          | Viñuela                | Málaga      | 398799 | 4079687 | 6.2  | 0.7     | 9.6  | 1.1      | 3.3      | 1.1          | 2.8      | 1.0          | 3  | 0.4    |
| 5                    | 107-P6          | Corbones               | Sevilla     | 296513 | 4113187 | 6.9  | 0.8     | 6.6  | 0.7      | 2.7      | 0.9          | 3.5      | 1.2          | 4  | 0.6    |
| 5                    | 107-P7          | Barbate                | Cádiz       | 254198 | 4037146 | 8.0  | 0.9     | 9.1  | 1.0      | 3.3      | 1.1          | 2.0      | 0.7          | 3  | 0.4    |
| 5                    | 107-P8          | Guadalete              | Cádiz       | 264398 | 4084240 | 10.7 | 1.2     | 8.1  | 0.9      | 3.2      | 1.0          | 2.0      | 0.7          | 6  | 0.9    |
| 5                    | 107-P9          | Cabra                  | Cádiz       | 338142 | 4150303 | 5.6  | 0.6     | 8.0  | 0.9      | 2.0      | 0.7          | 2.0      | 0.7          | 1  | 0.1    |
| 6                    | 106-P1          | Arroyo de Guadalora    | Córdoba     | 296661 | 4190436 | 14.1 | 1.0     | 11.1 | 1.2      | 5.4      | 0.9          | 4.9      | 1.1          | 59 | 2.5    |
| 6                    | 106-P10         | Arroyo del Albahacar   | Huelva      | 647647 | 4176534 | 9.9  | 0.7     | 13.1 | 1.4      | 5.2      | 0.9          | 2.0      | 0.4          | 15 | 0.6    |
| 6                    | 106-P2          | Pedro Gil              | Córdoba     | 370209 | 4212064 | 12.9 | 0.9     | 12.1 | 1.3      | 5.8      | 1.0          | 4.5      | 1.0          | 26 | 1.1    |
| 6                    | 106-P3          | Arroyo del Gallego     | Sevilla     | 718804 | 4166930 | 15.0 | 1.1     | 11.5 | 1.3      | 6.4      | 1.1          | 5.4      | 1.2          | 36 | 1.5    |
| 6                    | 106-P4          | Arroyo del Manzano     | Huelva      | 714028 | 4162577 | 14.0 | 1.0     | 12.7 | 1.4      | 6.1      | 1.1          | 5.0      | 1.1          | 19 | 0.8    |
| 6                    | 106-P5          | Barranco del Quejigo   | Huelva      | 716680 | 4162864 | 14.2 | 1.0     | 11.8 | 1.3      | 5.8      | 1.0          | 4.7      | 1.0          | 53 | 2.2    |
| 6                    | 106-P6          | Arroyo Lagurejo        | Huelva      | 691701 | 4163699 | 13.8 | 1.0     | 11.6 | 1.3      | 4.9      | 0.8          | 4.4      | 0.9          | 41 | 1.7    |
| 6                    | 106-P7          | Rivera de Chanza       | Huelva      | 640133 | 4180833 | 9.5  | 0.7     | 9.0  | 1.0      | 5.7      | 1.0          | 4.4      | 1.0          | 29 | 1.2    |
| 6                    | 106-P8          | Arroyo Grande          | Huelva      | 640700 | 4128222 | 12.4 | 0.9     | 6.6  | 0.7      | 5.0      | 0.9          | 3.8      | 0.8          | 15 | 0.6    |
| 6                    | 106-P9          | Rivera de Chanza       | Huelva      | 657198 | 4202313 | 10.4 | 0.8     | 8.4  | 0.9      | 4.8      | 0.8          | 5.5      | 1.2          | 36 | 1.5    |
| 6                    | 116-P1          | Cabriel                | Valencia    | 641541 | 4366608 | 14.4 | 1.1     | 9.2  | 1.0      | 5.9      | 1.0          | 5.1      | 1.1          | 27 | 1.1    |
| 6                    | 116-P10         | Guadiana               | Ciudad Real | 411557 | 4312443 | 6.6  | 0.5     | 10.7 | 1.2      | 5.1      | 0.9          | 3.5      | 0.7          | 21 | 0.9    |
| 6                    | 116-P11         | Guadiana               | Ciudad Real | 360566 | 4329123 | 10.7 | 0.8     | 8.0  | 0.9      | 5.0      | 0.9          | 2.7      | 0.6          | 27 | 1.1    |
| 6                    | 116-P2          | Tajo                   | Guadalajara | 560359 | 4515957 | 14.1 | 1.0     | 8.8  | 1.0      | 5.2      | 0.9          | 5.3      | 1.1          | 24 | 1.0    |
| 6                    | 116-P3          | Tajo                   | Guadalajara | 535071 | 4505506 | 13.6 | 1.0     | 8.5  | 0.9      | 6.2      | 1.1          | 4.6      | 1.0          | 13 | 0.5    |
| 6                    | 116-P4          | Pisuerga               | Palencia    | 395448 | 4659447 | 11.0 | 0.8     | 9.7  | 1.1      | 4.5      | 0.8          | 6.2      | 1.3          | 12 | 0.5    |
| 6                    | 116-P5          | Ter                    | Girona      | 480851 | 4647908 | 12.5 | 0.9     | 6.9  | 0.8      | 4.9      | 0.8          | 3.2      | 0.7          | 34 | 1.4    |
| 6                    | 116-P6          | Ter                    | Girona      | 469125 | 4648218 | 9.9  | 0.7     | 8.3  | 0.9      | 5.3      | 0.9          | 4.2      | 0.9          | 38 | 1.6    |
| 6                    | 116-P7          | Guadiana               | Badajoz     | 356440 | 4338743 | 8.0  | 0.6     | 7.4  | 0.8      | 5.1      | 0.9          | -        | 0.0          | -  | 0.0    |
| 6                    | 116-P8          | Guadiana               | Ciudad Real | 387646 | 4315551 | 9.6  | 0.7     | 9.0  | 1.0      | 2.0      | 0.3          | 2.4      | 0.5          | 12 | 0.5    |
| 6                    | 116-P9          | Guadiana               | Ciudad Real | 403378 | 4305633 | 15.1 | 1.1     | 9.0  | 1.0      | -        | -            | -        | -            | -  | -      |
| 6                    | 117-P1          | Ebro                   | Navarra     | 619251 | 4653391 | 8.8  | 0.6     | 7.2  | 0.8      | 5.0      | 0.9          | 4.0      | 0.9          | 8  | 0.3    |
| 6                    | 117-P2          | Ebro                   | Tarragona   | 289088 | 4533362 | 10.2 | 0.7     | 7.5  | 0.8      | 3.2      | 0.5          | 4.1      | 0.9          | 30 | 1.3    |
| 6                    | 117-P3          | Ebro                   | Zaragoza    | 655011 | 4628444 | 7.4  | 0.5     | 5.5  | 0.6      | 3.0      | 0.5          | 2.9      | 0.6          | 5  | 0.2    |
| 6                    | 117-P4          | Pisuerga               | Palencia    | 380587 | 4646040 | 9.7  | 0.7     | 9.2  | 1.0      | 3.4      | 0.6          | 4.8      | 1.0          | 19 | 0.8    |
| 6                    | 117-P5          | Zújar                  | Badajoz     | 261025 | 4320858 | 11.1 | 0.8     | 10.6 | 1.2      | 8.0      | 1.4          | -        | 0.0          | 10 | 0.4    |
| 6                    | 117-P6          | Guadiana               | Badajoz     | 718567 | 4307336 | 13.0 | 1.0     | 7.9  | 0.9      | 4.5      | 0.8          | 3.7      | 0.8          | 11 | 0.5    |
| 6                    | 117-P7          | Guadiana               | Badajoz     | 242015 | 4317168 | 11.0 | 0.8     | 8.3  | 0.9      | 3.5      | 0.6          | 4.0      | 0.9          | 4  | 0.2    |
| 6                    | 117-P8          | Zújar                  | Badajoz     | 277385 | 4312966 | 9.1  | 0.7     | 9.0  | 1.0      | 6.3      | 1.1          | 2.0      | 0.4          | 11 | 0.5    |
| 6                    | 117-P9          | Tajo                   | Toledo      | 443521 | 4432299 | 9.4  | 0.7     | 6.9  | 0.8      | 2.7      | 0.5          | 4.4      | 1.0          | 9  | 0.4    |
| 7                    | 101-P1          | Arroyo de Valdefuentes | Badajoz     | 310256 | 4351516 | 13.5 | 0.9     | 10.0 | 0.9      | 6.2      | 1.0          | 4.5      | 0.9          | 13 | 0.7    |
| 7                    | 101-P10         | Arroyo Guadajira       | Badajoz     | 700624 | 4303073 | 8.0  | 0.5     | 9.1  | 0.8      | 2.9      | 0.5          | 3.0      | 0.6          | 17 | 0.9    |
| 7                    | 101-P2          | Gargaligas             | Badajoz     | 304797 | 4348614 | 15.4 | 1.0     | 10.5 | 0.9      | 5.9      | 0.9          | 3.7      | 0.7          | 19 | 1.0    |
| 7                    | 101-P3          | Arroyo Pizarroso       | Cáceres     | 277870 | 4357952 | 14.2 | 1.0     | 11.3 | 1.0      | 5.5      | 0.9          | 5.3      | 1.1          | 46 | 2.3    |
| 7                    | 101-P4          | Arroyo de Lorianilla   | Badajoz     | 702335 | 4330893 | 11.7 | 0.8     | 11.7 | 1.0      | 5.7      | 0.9          | 4.5      | 0.9          | 22 | 1.1    |
| 7                    | 101-P5          | Arroyo de la Vid       | Cáceres     | 248673 | 4402800 | 14.1 | 1.0     | 12.6 | 1.1      | 5.4      | 0.9          | 5.1      | 1.0          | 39 | 2.0    |
| 7                    | 101-P6          | Almonte                | Cáceres     | 258512 | 4392530 | 11.7 | 0.8     | 9.7  | 0.9      | 5.2      | 0.8          | 5.7      | 1.1          | 48 | 2.4    |
| 7                    | 101-P7          | Guadalmez              | Ciudad Real | 338079 | 4275919 | 11.6 | 0.8     | 9.1  | 0.8      | 4.2      | 0.7          | 3.0      | 0.6          | 25 | 1.3    |
| 7                    | 101-P8          | Zújar                  | Córdoba     | 312020 | 4283252 | 8.7  | 0.6     | 10.4 | 0.9      | 4.6      | 0.7          | 2.0      | 0.4          | 14 | 0.7    |
| 7                    | 101-P9          | Rivera del Alcarache   | Badajoz     | 663754 | 4247198 | 8.5  | 0.6     | 8.2  | 0.7      | 2.0      | 0.3          | 6.0      | 1.2          | 1  | 0.1    |
| 7                    | 108-P1          | Estenilla              | Ciudad Real | 343434 | 4368556 | 15.7 | 1.1     | 11.1 | 1.0      | 6.1      | 1.0          | 5.1      | 1.0          | 33 | 1.7    |
| 7                    | 108-P10         | Arroyo Tamujar         | Ciudad Real | 337356 | 4288323 | 5.8  | 0.4     | 8.4  | 0.7      | 2.8      | 0.4          | 3.0      | 0.6          | 23 | 1.2    |
| 7                    | 108-P2          | Guadarranque           | Cáceres     | 316620 | 4372044 | 14.6 | 1.0     | 12.1 | 1.1      | 6.5      | 1.0          | 5.0      | 1.0          | 22 | 1.1    |
| 7                    | 108-P3          | Torres                 | Ávila       | 342459 | 4458766 | 15.8 | 1.1     | 13.2 | 1.2      | 6.4      | 1.0          | 5.2      | 1.0          | 21 | 1.1    |
| 7                    | 108-P4          | Robledillo             | Ciudad Real | 409636 | 4253700 | 14.8 | 1.0     | 10.0 | 0.9      | 6.6      | 1.0          | 4.9      | 1.0          | 15 | 0.8    |
| 7                    | 108-P5          | Esteras                | Ciudad Real | 341903 | 4308068 | 14.5 | 1.0     | 14.4 | 1.3      | 6.5      | 1.0          | 5.6      | 1.1          | 18 | 0.9    |
| 7                    | 108-P6          | Tirteafuera            | Ciudad Real | 378369 | 4305540 | 11.4 | 0.8     | 7.7  | 0.7      | 3.8      | 0.6          | 5.3      | 1.0          | 14 | 0.7    |
| 7                    | 108-P7          | Bullaça                | Ciudad Real | 388360 | 4315528 | 10.0 | 0.7     | 10.3 | 0.9      | 2.0      | 0.3          | 3.3      | 0.7          | 4  | 0.2    |
| 7                    | 108-P8          | Ardila                 | Badajoz     | 697047 | 4239598 | 9.9  | 0.7     | 8.3  | 0.7      | 4.7      | 0.8          | 4.3      | 0.8          | 25 | 1.3    |
| 7                    | 108-P9          | Tiétar                 | Toledo      | 346672 | 4455046 | 10.7 | 0.7     | 8.9  | 0.8      | 3.6      | 0.6          | 5.6      | 1.1          | 16 | 0.8    |
| 7                    | 115-P1          | Cinca                  | Huesca      | 269671 | 4661094 | 13.9 | 0.9     | 11.8 | 1.0      | 5.2      | 0.8          | 3.9      | 0.8          | 27 | 1.4    |
| 7                    | 115-P2          | Tiétar                 | Toledo      | 311521 | 4440463 | 14.6 | 1.0     | 8.4  | 0.7      | 3.5      | 0.6          | 5.5      | 1.1          | 23 | 1.2    |
| 7                    | 115-P3          | Tormes                 | Ávila       | 286851 | 4481680 | 14.0 | 1.0     | 11.6 | 1.0      | 5.9      | 0.9          | 6.0      | 1.2          | 39 | 2.0    |
| 7                    | 115-P4          | Noguera Ribagorzana    | Lleida      | 299683 | 4631620 | 8.3  | 0.6     | 5.8  | 0.5      | 4.9      | 0.8          | 3.4      | 0.7          | 19 | 1.0    |
| 7                    | 115-P5          | Ter                    | Girona      | 433634 | 4669263 | 18.0 | 1.2     | -    | -        | 6.0      | 1.0          | 4.0      | 0.8          | 9  | 0.5    |
| 7                    | 115-P6          | Tiétar                 | Ávila       | 328653 | 4447621 | 8.7  | 0.6     | 7.5  | 0.7      | 3.8      | 0.6          | 5.3      | 1.0          | 22 | 1.1    |

| Código grupo fluvial | Código estación | Nombre del río    | Provincia  | UTM X  | UTM Y   | IMF  | EQR IMF | IBMR | EQR IBMR | IVAM-CLM | EQR IVAM-CLM | IVAM-FBL | EQR IVAM-FBL | IM | EQR IM |
|----------------------|-----------------|-------------------|------------|--------|---------|------|---------|------|----------|----------|--------------|----------|--------------|----|--------|
| 7                    | 115-P7          | Ter               | Barcelona  | 437245 | 4654318 | 13.0 | 0.9     | 9.7  | 0.9      | 4.0      | 0.6          | 4.4      | 0.9          | 6  | 0.3    |
| 7                    | 115-P8          | Guadarrama        | Toledo     | 411958 | 4428081 | 8.0  | 0.5     | 9.1  | 0.8      | 8.0      | 1.3          | -        | -            | 9  | 0.5    |
| 7                    | 115-P9          | Guadarrama        | Madrid     | 419633 | 4452697 | 9.0  | 0.6     | 8.2  | 0.7      | 3.2      | 0.5          | 2.0      | 0.4          | 10 | 0.5    |
| 8                    | 104-P1          | Peñacorada        | León       | 334382 | 4732636 | 15.2 | 1.1     | 8.8  | 0.9      | 6.1      | 1.0          | 5.8      | 1.1          | 25 | 1.2    |
| 8                    | 104-P2          | Riocamba          | León       | 338062 | 4722222 | 13.5 | 1.0     | 3.5  | 0.4      | 6.4      | 1.1          | 4.8      | 0.9          | 10 | 0.5    |
| 8                    | 104-P3          | Rebedul           | León       | 338286 | 4725813 | 14.1 | 1.0     | 11.2 | 1.2      | 5.0      | 0.8          | 5.3      | 1.0          | 24 | 1.1    |
| 8                    | 104-P4          | Corcos            | León       | 319431 | 4719613 | 11.8 | 0.9     | 10.5 | 1.1      | 6.1      | 1.0          | 4.8      | 1.0          | 19 | 0.9    |
| 8                    | 104-P5          | Cega              | Valladolid | 353746 | 4599246 | 10.7 | 0.8     | 9.7  | 1.0      | 4.5      | 0.7          | 5.3      | 1.0          | 20 | 0.9    |
| 8                    | 104-P6          | Prado             | Palencia   | 400912 | 4643842 | 13.9 | 1.0     | 10.0 | 1.0      | 4.0      | 0.7          | 2.0      | 0.4          | 4  | 0.2    |
| 8                    | 104-P7          | Moros             | Segovia    | 389720 | 4539053 | 11.5 | 0.8     | 8.5  | 0.9      | 4.0      | 0.7          | 5.4      | 1.1          | 13 | 0.6    |
| 8                    | 104-P8          | Arroyo del Molino | Valladolid | 357344 | 4599145 | 5.3  | 0.4     | 8.3  | 0.9      | 3.2      | 0.5          | 2.0      | 0.4          | 4  | 0.2    |
| 8                    | 104-P9          | Zapardiel         | Valladolid | 336172 | 4576126 | -    | -       | 9.0  | 0.9      | -        | -            | -        | -            | -  | -      |