|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Index** | **Factor** |  | **Flow** | **Temp** |  |  | **PC 1** | **PC 2** | **Index** | **Factor** |  | **Flow** | **Temp** | **PC 1** | **PC 2** |
| **Abundance** | **Overall** |  | **-** |  |  |  | **-** | **+** | **Func. redundancy** | **Overall** |  |  |  |  |  |
|  | River type | *Type 1* |  |  |  |  |  |  |  | River type | *Type 1* |  |  |  |  |
|  |  | *Type 2* | + |  |  |  |  |  |  |  | *Type 2* |  |  |  |  |
|  |  | *Type 3* |  | + |  |  |  |  |  |  | *Type 3* |  | + |  |  |
|  |  | *Type 4* | - |  |  |  | - |  |  |  | *Type 4* |  |  |  |  |
|  |  | *Type 5* | - |  |  |  |  | + |  |  | *Type 5* | - |  |  |  |
|  | Modified | *No* |  |  |  |  | - | + |  | Modified | *No* |  |  |  |  |
|  |  | *Yes* |  | + |  |  |  |  |  |  | *Yes* |  |  |  |  |
|  | EQC | *Bad/Poor* | + |  |  |  |  |  |  | EQC | *Bad/Poor* |  |  |  |  |
|  |  | *Moderate* |  |  |  |  | - | + |  |  | *Moderate* |  |  |  |  |
|  |  | *Good* |  |  |  |  | - | + |  |  | *Good* |  |  |  |  |
|  |  | *High* |  |  |  |  |  |  |  |  | *High* |  |  |  |  |
| **Taxon richness** | **Overall** |  |  | **+** |  |  | **-** |  | **Func. richness** | **Overall** |  | - | + | - |  |
|  | River type | *Type 1* |  |  |  |  | - |  |  | River type | *Type 1* |  |  |  |  |
|  |  | *Type 2* |  |  |  |  | - |  |  |  | *Type 2* |  |  | - |  |
|  |  | *Type 3* |  |  |  |  |  |  |  |  | *Type 3* |  |  |  |  |
|  |  | *Type 4* | - | + |  |  | - |  |  |  | *Type 4* | - |  |  |  |
|  |  | *Type 5* | - |  |  |  | - |  |  |  | *Type 5* |  |  | - |  |
|  | Modified | *No* | - |  |  |  | - |  |  | Modified | *No* | - | + | - |  |
|  |  | *Yes* | - | + |  |  | - |  |  |  | *Yes* | - | + | - |  |
|  | EQC | *Bad/Poor* |  |  |  |  |  |  |  | EQC | *Bad/Poor* |  |  |  |  |
|  |  | *Moderate* |  | + |  |  | - |  |  |  | *Moderate* |  |  | - |  |
|  |  | *Good* |  |  |  |  | - |  |  |  | *Good* |  | + | - |  |
|  |  | *High* |  |  |  |  |  |  |  |  | *High* |  |  |  |  |
| **Evenness** | **Overall** |  | **+** | **-** |  |  | **+** |  | **Func. evenness** | **Overall** |  |  |  |  |  |
|  | River type | *Type 1* |  |  |  |  | + |  |  | River type | *Type 1* |  |  |  |  |
|  |  | *Type 2* |  |  |  |  |  |  |  |  | *Type 2* | - |  | - |  |
|  |  | *Type 3* |  |  |  |  |  |  |  |  | *Type 3* |  |  |  |  |
|  |  | *Type 4* | + | - |  |  | + |  |  |  | *Type 4* |  |  | + |  |
|  |  | *Type 5* | + |  |  |  | + |  |  |  | *Type 5* |  |  |  |  |
|  | Modified | *No* | + | - |  |  | + |  |  | Modified | *No* |  |  |  |  |
|  |  | *Yes* | + | - |  |  | + |  |  |  | *Yes* |  | - |  |  |
|  | EQC | *Bad/Poor* |  | - |  |  |  | + |  | EQC | *Bad/Poor* |  | - | + |  |
|  |  | *Moderate* | + | - |  |  | + |  |  |  | *Moderate* |  |  |  |  |
|  |  | *Good* |  |  |  |  | + |  |  |  | *Good* |  |  |  |  |
|  |  | *High* |  |  |  |  |  |  |  |  | *High* |  |  |  |  |
| **Shannon's H** | **Overall** |  | **-** |  |  |  | **-** |  | **Func. dispersion** | **Overall** |  |  |  |  |  |
|  | River type | *Type 1* |  |  |  |  |  |  |  | River type | *Type 1* |  |  |  |  |
|  |  | *Type 2* |  |  |  |  |  |  |  |  | *Type 2* |  |  | + | - |
|  |  | *Type 3* |  |  |  |  |  |  |  |  | *Type 3* |  | - |  |  |
|  |  | *Type 4* | - |  |  |  |  |  |  |  | *Type 4* |  |  |  |  |
|  |  | *Type 5* | - |  |  |  | - |  |  |  | *Type 5* |  |  |  |  |
|  | Modified | *No* |  |  |  |  |  |  |  | Modified | *No* |  |  |  |  |
|  |  | *Yes* | - |  |  |  | - |  |  |  | *Yes* |  |  |  |  |
|  | EQC | *Bad/Poor* |  |  |  |  |  |  |  | EQC | *Bad/Poor* |  |  |  |  |
|  |  | *Moderate* |  |  |  |  |  | - |  |  | *Moderate* |  |  |  |  |
|  |  | *Good* |  |  |  |  |  |  |  |  | *Good* |  |  |  |  |
|  |  | *High* |  |  |  |  |  |  |  |  | *High* |  |  |  |  |
| **Turnover** | **Overall** |  |  |  |  |  |  |  | **Func. turnover** | **Overall** |  |  | + |  |  |
|  | River type | *Type 1* |  |  |  |  |  |  |  | River type | *Type 1* |  |  | + |  |
|  |  | *Type 2* |  |  |  |  |  |  |  |  | *Type 2* |  |  |  |  |
|  |  | *Type 3* |  |  |  |  | + |  |  |  | *Type 3* |  |  |  |  |
|  |  | *Type 4* | - |  |  |  |  |  |  |  | *Type 4* |  |  |  |  |
|  |  | *Type 5* |  |  |  |  |  |  |  |  | *Type 5* |  |  |  |  |
|  | Modified | *No* |  |  |  |  |  |  |  | Modified | *No* |  |  |  |  |
|  |  | *Yes* |  |  |  |  |  |  |  |  | *Yes* |  |  | + |  |
|  | EQC | *Bad/Poor* |  |  |  |  |  |  |  | EQC | *Bad/Poor* |  |  |  |  |
|  |  | *Moderate* |  |  |  |  |  |  |  |  | *Moderate* |  |  | + |  |
|  |  | *Good* |  |  |  |  |  |  |  |  | *Good* |  |  |  |  |
|  |  | *High* |  |  |  |  |  |  |  |  | *High* |  |  |  |  |