

Rivière :

**CREUSE**

Station :

**04097000**

**DESCARTES**

Commune :

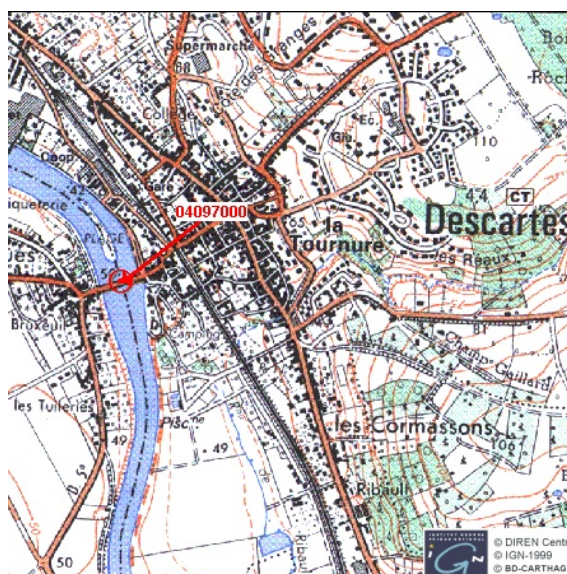
DESCARTES ( 37115 )

Localisation :

Pont sur la RD58

Objectif de qualité : 1B

Catégorie piscicole : 2



Coordonnées géographiques

|                | X (m)   | Y (m)     |
|----------------|---------|-----------|
| Lambert II :   | 475 059 | 2 220 427 |
| Lambert 93 :   | 524 735 | 6 654 976 |
| Altitude (m) : | 39      |           |



# Qualité des eaux

Station : DESCARTES

Code : 04097000

Cours d'eau : CREUSE

| Date prél. | Heure | Débit<br>m3/s | T°eau<br>°C | pH  | Cond.25°<br>µS/cm | O2 dis.<br>mg/l | Sat. O2<br>% | MES<br>mg/l | DBO5<br>mg/l | DCO<br>mg/l | COD<br>mg/l | N Kj<br>mg/l | NH4+<br>mg/l | NO2-<br>mg/l | NO3-<br>mg/l | PO4---<br>mg/l | P Total<br>mg/l | Chloro. a<br>µg/l | Phéopig.<br>µg/l |
|------------|-------|---------------|-------------|-----|-------------------|-----------------|--------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|-----------------|-------------------|------------------|
| 20/11/2008 | 12:50 |               | 10.3        | 7.6 | 259               | 10.0            | 90           | 12          | 3.2          |             | 7.4         | 2.3          | 0.06         | 0.03         | 10           | 0.13           | 0.07            |                   |                  |
| 29/09/2008 | 12:07 |               | 15.2        | 7.9 | 361               | 6.6             | 64           | 5           | 3            |             | 6.6         | 1.2          | 0.06         | < .02        | 11           | 0.05           | < .05           |                   |                  |
| 27/08/2008 | 10:40 |               | 19.3        | 7.7 | 280               | 5.5             | 58           | 2           | 1.6          |             | 6.5         | 1.5          | < .05        | 0.02         | 10           | 0.13           | 0.05            |                   |                  |
| 23/07/2008 | 10:05 |               | 20.1        | 7.8 | 308               | 5.0             | 57           | < 2         | 2            |             | 7.6         | 1.6          | 0.1          | 0.03         | 10           | < .05          | < .05           |                   |                  |
| 28/05/2008 | 13:00 |               | 16.0        | 6.8 | 162               | 6.3             | 63           | 98          | 4.2          |             | 11.0        | 1.6          | 0.12         | 0.05         | 6            | 0.13           | 0.18            |                   |                  |
| 02/04/2008 | 11:10 |               | 10.2        | 8.4 | 190               | 5.4             | 47           | 17          | 3.2          |             | 9.4         | 1.6          | < .05        | 0.03         | 9            | 0.08           | 0.07            |                   |                  |
| 20/08/2007 | 10:30 |               | 19.0        | 7.9 | 347               | 8.9             | 98           | 3           | < 1          | 12          |             | 1.1          | 0.1          | 0.03         | 11           | < .15          | < .15           | 1.1               | 2.4              |
| 23/07/2007 | 10:25 |               | 20.6        | 7.7 | 266               | 8.3             | 95           | 7           | 1.6          | 19          |             | 1.4          | 0.06         | 0.03         | 10           | < .15          | < .15           | < 1               | 2.8              |
| 19/06/2007 | 10:25 |               | 18.5        | 7.4 | 210               | 8.5             | 92           | 27          | 2.6          | 27          |             | 1.4          | 0.13         | 0.08         | 9            | 0.21           | < .15           | 2.1               | 8.7              |
| 21/05/2007 | 10:40 |               | 17.8        | 7.7 | 286               | 8.7             | 92           | 2           | 1.5          | 16          |             | 1.1          | 0.09         | 0.05         | 10           | < .15          | < .15           | 16                | 8.7              |
| 12/02/2007 | 10:50 |               | 8.4         | 7.6 | 182               | 11.5            | 100          | 101         | 1.7          | 37          |             | 1.7          | 0.11         | 0.23         | 14           | 0.25           | 0.16            | 7.7               | 16               |
| 11/12/2006 | 11:00 |               | 8.3         | 7.8 |                   | 10.4            | 88           | 31          | 1.4          | 20          |             | 1.7          | 0.12         | 0.1          | 8            | 0.16           | < .15           | 3.1               | 8                |
| 23/10/2006 | 10:40 |               | 15.9        | 7.9 |                   | 9.7             | 101          | 14          | 2.2          | 20          |             | 1.1          | 0.06         | 0.06         | 10           | < .15          | < .15           | 5.9               | 6.6              |
| 18/09/2006 | 11:05 |               | 19.2        | 7.2 |                   | 9.3             | 102          | 5           | 1.5          | < 20        |             | < 1          | 0.05         | 0.01         | 6            | < .15          | < .15           | 5.9               | 4.4              |
| 21/08/2006 | 10:45 |               | 20.5        | 7.7 |                   |                 |              | 3           | 2.1          | < 20        |             | < 1          | 0.15         | 0.04         | 6            | < .15          | < .15           | 6.8               | 4                |
| 17/07/2006 | 10:40 |               | 27.0        | 8.5 |                   |                 |              | 13          | 5            | < 20        |             | 2            | 0.4          | 0.06         | 5            | < .15          | < .15           | 67                | 12               |
| 19/06/2006 | 10:40 |               | 25.9        | 8.0 |                   |                 |              | < 2         | 2.2          | < 20        |             | 1.7          | 0.1          | 0.06         | 8            | < .15          | < .15           | 31                | 18               |
| 29/05/2006 | 10:30 |               | 17.6        | 7.1 |                   | 10.0            | 105          | 8           | 2.1          | < 20        |             | 1.1          | 0.13         | 0.05         | 8            | < .15          | < .15           | 15                | 7                |
| 13/02/2006 | 10:50 |               | 4.5         | 7.6 |                   | 12.9            | 99           | 6           | 3.2          | < 20        |             | 1.1          | < .05        | 0.05         | 14           | < .15          | < .15           | 2.8               | 1.7              |

| Date prél. | Heure | Débit<br>m3/s | T°eau<br>°C | pH  | Cond.25°<br>µS/cm | O2 dis.<br>mg/l | Sat. O2<br>% | MES<br>mg/l | DBO5<br>mg/l | DCO<br>mg/l | COD<br>mg/l | N Kj<br>mg/l | NH4+<br>mg/l | NO2-<br>mg/l | NO3-<br>mg/l | PO4---<br>mg/l | P Total<br>mg/l | Chloro. a<br>µg/l | Phéopig.<br>µg/l |
|------------|-------|---------------|-------------|-----|-------------------|-----------------|--------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|-----------------|-------------------|------------------|
| 12/12/2005 | 10:50 |               | 5.3         | 7.4 |                   | 11.9            | 94           | 16          | 2.9          | < 20        |             | < 1          | 0.12         | 0.06         | 16           | < .15          | < .15           | 2.7               | 5                |
| 24/10/2005 | 10:25 |               | 15.3        | 7.4 |                   | 9.0             | 90           | < 2         | 2            | < 20        |             | 1.4          | 0.1          | 0.04         | 8            | < .15          | < .15           | 1.1               | 1.7              |
| 19/09/2005 | 11:00 |               | 16.1        | 7.1 |                   |                 |              | < 2         | 2.2          | < 20        |             | 1.7          | < .05        | < .01        | 7            | < .15          | < .15           | 2.9               | 4.7              |
| 22/08/2005 | 10:50 |               | 19.4        | 7.3 |                   | 8.1             | 93           | < 2         | 1.6          | < 20        |             | < 1          | 0.11         | 0.03         | 8            | < .15          | < .15           | < 1               | 1.7              |
| 25/07/2005 | 10:20 |               | 21.4        | 7.5 |                   | 9.2             | 105          | 2           | 2.4          | < 20        |             | < 1          | 0.07         | 0.02         | 9            | < .15          | < .15           | 1.5               | 2.8              |
| 20/06/2005 | 10:50 |               | 24.1        | 7.1 |                   | 6.2             | 74           | 3           | 2            | < 20        |             | < 1          | 0.12         | 0.08         | 11           | < .15          | < .15           | 1.5               | 3.6              |
| 23/05/2005 | 10:45 |               | 17.0        | 7.2 |                   | 9.6             | 99           | 3           | < 1          | < 20        |             | < 1          | 0.08         | 0.04         | 10           | < .15          | < .15           | 2.7               | 3.2              |
| 14/02/2005 | 10:50 |               | 6.8         | 7.2 |                   | 11.2            | 93           | 27          | 3.1          | < 20        |             | < 1          | 0.15         | 0.09         | 9            | < .15          | < .15           | 6.1               | 7.8              |
| 13/12/2004 | 10:25 |               | 5.3         | 7.2 |                   | 11.8            | 92           | 4           | 2.4          | < 20        |             | 1.1          | 0.11         | 0.03         | 14           | 0.2            | 0.16            | < 1               | < 1              |
| 18/10/2004 | 09:55 |               | 12.9        | 7.2 |                   | 9.8             | 93           | 5           | 2            | 22          |             | < 1          | 0.18         | 0.03         | 9            | < .15          | < .15           | 4.9               | 5.5              |
| 20/09/2004 | 10:10 |               | 16.4        | 7.2 |                   | 9.4             | 96           | 4           | 2.7          | < 20        |             | < 1          | 0.07         | 0.02         | 12           | < .15          | < .15           | 1.1               | 1.5              |
| 23/08/2004 | 09:30 |               | 19.9        | 6.8 |                   | 8.6             | 95           | 8           | 1.9          | < 20        |             | < 1          | 0.1          | 0.06         | 10           | 0.21           | 0.18            | 2.3               | 3.8              |
| 19/07/2004 | 10:30 |               | 21.9        | 7.4 |                   | 8.3             | 91           | < 2         | 1.3          | < 20        |             | < 1          | 0.11         | 0.06         | 10           | < .15          | < .15           | 1.1               | 1.9              |
| 28/06/2004 | 10:05 |               | 20.7        | 7.4 |                   | 8.3             | 92           | < 2         | < 1          | < 20        |             | 1.7          | 0.06         | 0.05         | 12           | < .15          | < .15           | < 1               | 1.8              |
| 24/05/2004 | 10:25 |               | 17.4        | 7.1 |                   | 9.2             | 96           | 2           | 1.7          | < 20        |             | < 1          | 0.1          | 0.04         | 12           | < .15          | < .15           | 5.3               | 5.9              |
| 09/02/2004 | 09:50 |               | 7.5         | 7.3 |                   | 11.7            | 96           | 5           | 2.9          | < 20        |             | < 1          | 0.07         | 0.05         | 18           | < .15          | < .15           | 3.3               | 2.4              |
| 15/12/2003 | 09:30 |               | 8.4         | 7.3 |                   | 11.3            | 96           | 5           | 1.6          | < 20        |             | < 1          | 0.07         | 0.04         | 15           | < .15          | < .15           | 2.1               | 3.7              |
| 20/10/2003 | 10:00 |               | 13.0        | 7.9 |                   | 8.8             | 85           | 8           | < 1          | < 20        |             | < 1          | 0.12         | 0.05         | 13           | < .15          | < .15           | 8.5               | 4.6              |
| 22/09/2003 | 09:15 |               | 19.9        | 7.5 |                   | 7.8             | 86           | 4           | 3.4          | < 20        |             | 1.4          | < .05        | 0.04         | 9            | < .15          | < .15           | 1.7               | < 1              |
| 18/08/2003 | 09:30 |               | 25.0        | 7.7 |                   |                 |              | 2           | < 1          | < 20        |             | < 1          | 0.21         | 0.05         | 8            | < .15          | < .15           | 2.6               | 2.2              |
| 21/07/2003 | 10:00 |               | 24.8        | 9.0 |                   | 7.5             | 91           | 2           | 2            | < 20        |             | < 1          | < .05        | 0.04         | 11           | < .15          | < .15           | 14                | < 1              |
| 16/06/2003 | 10:10 |               | 24.4        | 7.8 |                   | 7.3             | 88           | 6           | 1.9          | < 20        |             | < 1          | < .05        | 0.04         | 14           | < .15          | < .15           | 2.1               | 5.3              |
| 26/05/2003 | 10:05 |               | 16.2        | 7.3 |                   | 10.0            | 101          | 12          | 2.7          | < 20        |             | < 1          | < .05        | 0.08         | 11           | < .15          | < .15           | 13                | 8.1              |
| 10/02/2003 | 10:30 |               | 5.8         | 7.0 |                   |                 |              | 24          | 3            | 27          |             | < 1          | 0.13         | 0.05         | 11           | 0.17           | < .15           | 5.1               | < 1              |

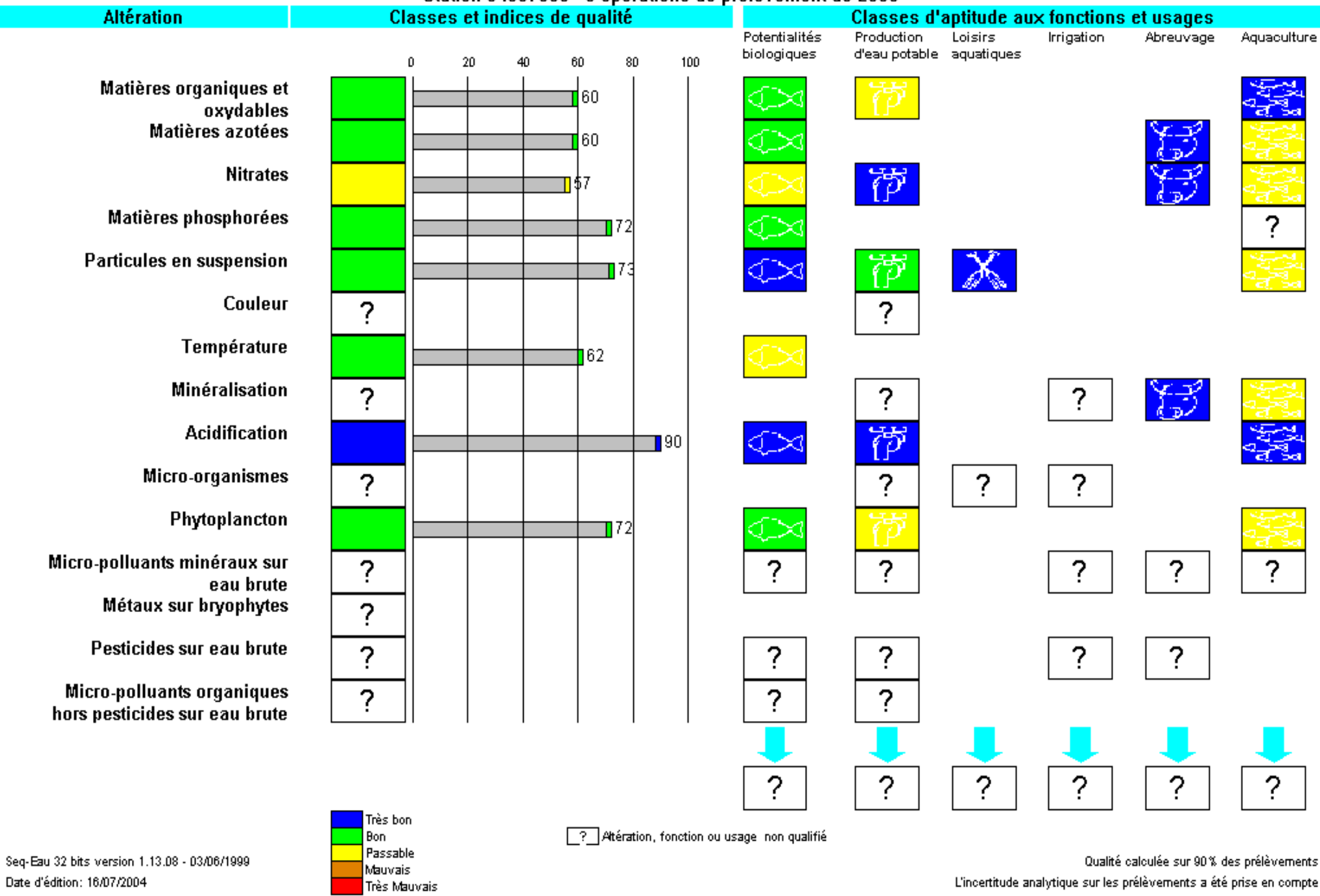
# Qualité des eaux

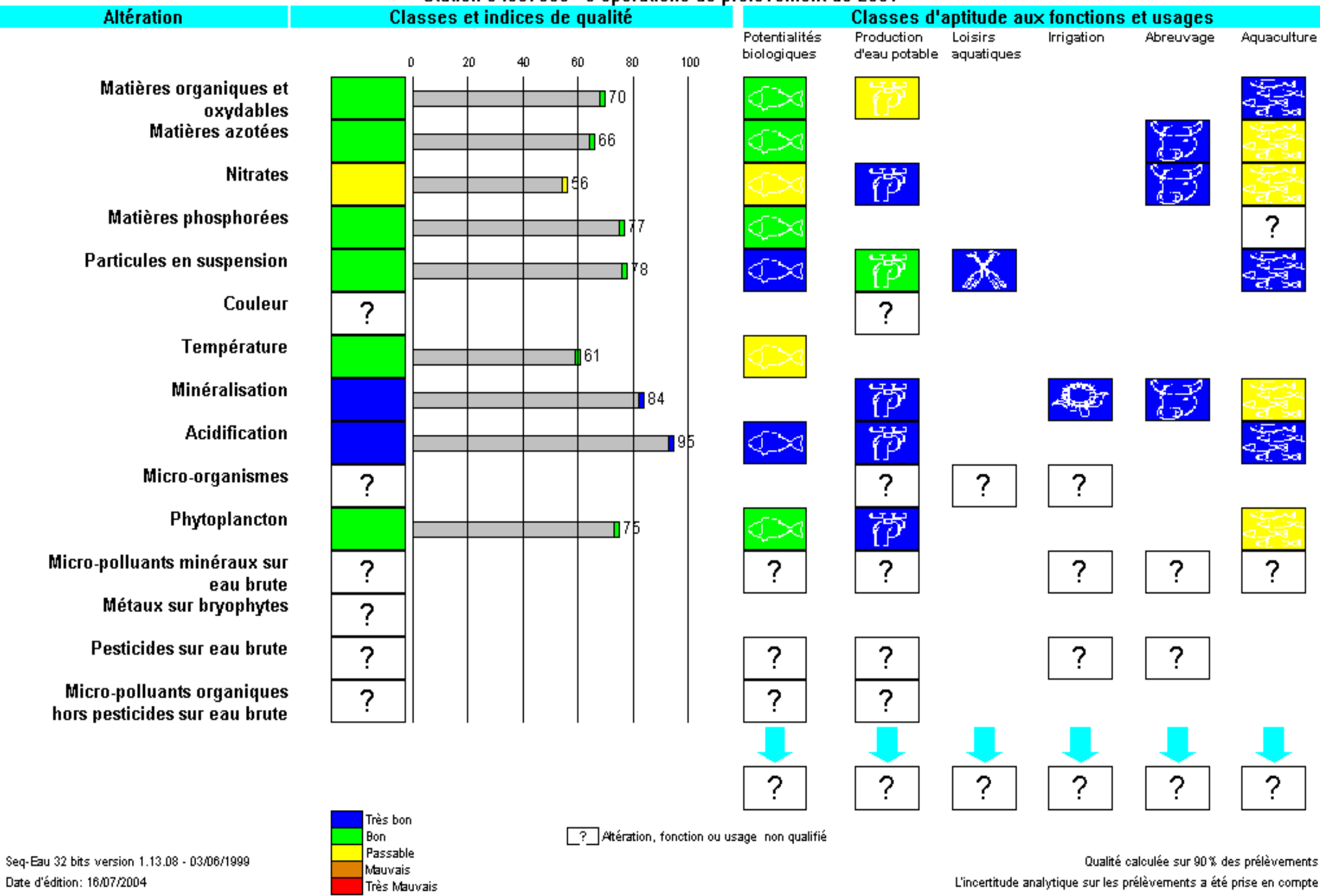
Station : DESCARTES

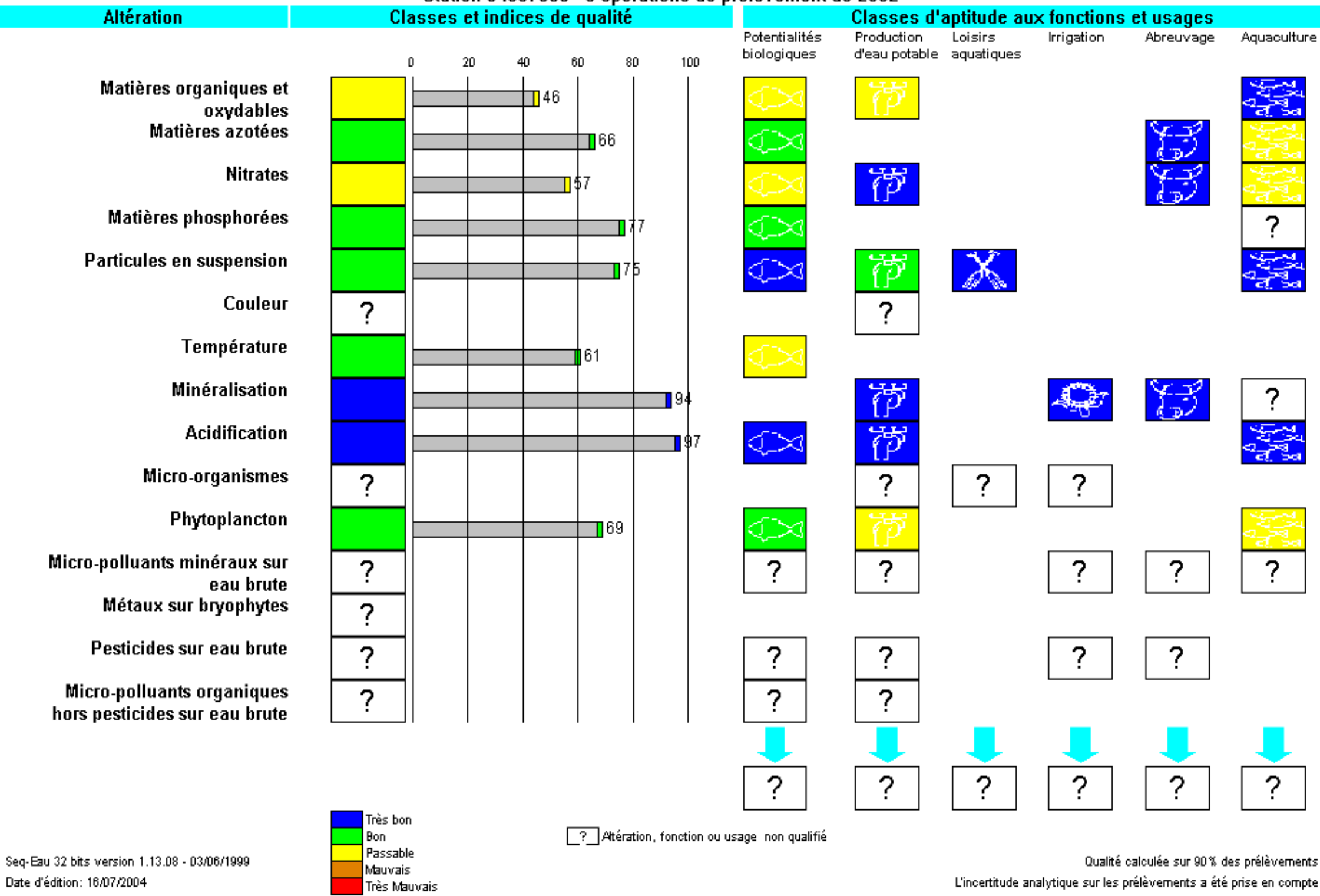
Code : 04097000

Cours d'eau : CREUSE

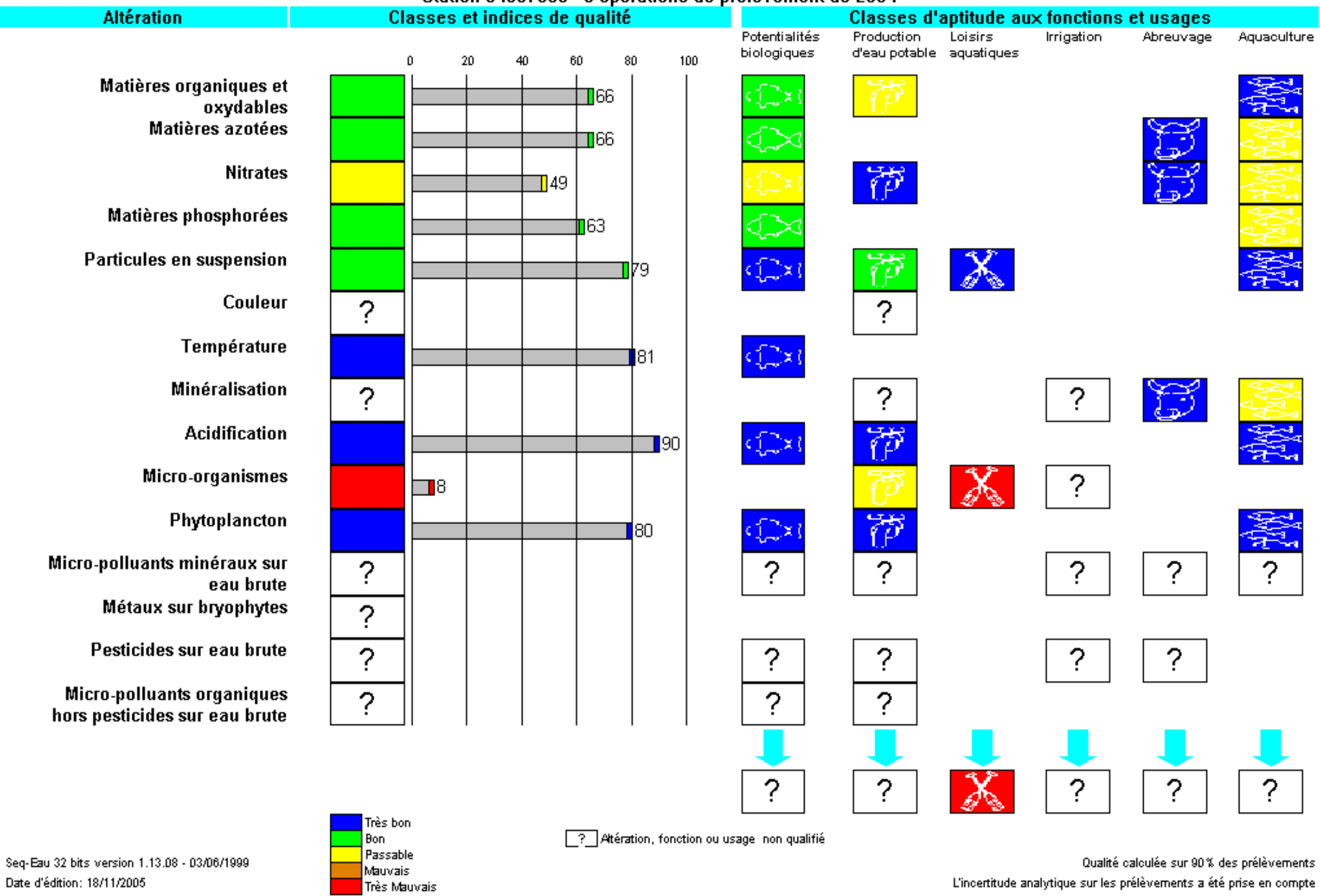
| Date prél. | Heure | Débit<br>m3/s | T°eau<br>°C | pH  | Cond.25°<br>µS/cm | O2 dis.<br>mg/l | Sat. O2<br>% | MES<br>mg/l | DBO5<br>mg/l | DCO<br>mg/l | COD<br>mg/l | N Kj<br>mg/l | NH4+<br>mg/l | NO2-<br>mg/l | NO3-<br>mg/l | PO4---<br>mg/l | P Total<br>mg/l | Chloro. a<br>µg/l | Phéopig.<br>µg/l |
|------------|-------|---------------|-------------|-----|-------------------|-----------------|--------------|-------------|--------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|-----------------|-------------------|------------------|
| 09/12/2002 | 10:55 |               | 7,2         | 7,3 | 217               |                 |              | 18          | 2,3          | 20          |             | 1,4          | 0,07         | 0,05         | 12           | 0,16           | < .15           | 3                 | 5,6              |
| 21/10/2002 | 10:38 |               | 13,4        | 7,3 | 306               |                 |              | 5           | 2,2          | < 20        |             | 1,7          | < .05        | 0,02         | 9            | < .15          | < .15           | 5,3               | 5,1              |
| 23/09/2002 | 10:35 |               | 17,5        | 7,8 | 501               | 9,1             | 96           | 8           | 1,1          | 24          |             | 1,7          | 0,08         | 0,04         | 7            | < .15          | < .15           | 2                 | 6,9              |
| 19/08/2002 | 10:25 |               | 23,4        | 7,5 | 317               | 7,5             | 88           | < 2         | 2            | < 20        |             | 1,7          | 0,09         | 0,05         | 8            | < .15          | < .15           | 5,9               | 5,8              |
| 22/07/2002 | 10:11 |               | 22,8        | 7,3 | 296               | 8,9             | 103          | 11          | 4,6          | 46          |             | 1,4          | < .05        | 0,02         | 8            | < .15          | < .15           | 38                | 12               |
| 24/06/2002 | 10:15 |               | 22,4        | 7,4 | 316               | 7,3             | 83           | 7           | 2            | < 20        |             | 1,1          | 0,06         | 0,03         | 11           | < .15          | < .15           | 4,3               | 5,4              |
| 27/05/2002 | 10:30 |               | 16,7        | 7,2 | 252               | 9,6             | 100          | 10          | 3,6          | < 20        |             | < 1          | < .05        | 0,06         | 10           | < .15          | < .15           | 5,3               | 10               |
| 11/02/2002 | 10:20 |               | 9,4         | 7,3 | 238               | 11,5            | 101          | 13          | 3            | < 20        |             | 1,1          | < .05        | 0,04         | 12           | < .15          | < .15           | 5,2               | 5,1              |
| 17/12/2001 | 11:25 |               | 1,9         | 7,9 | 267               |                 |              | 9           | 2,6          | < 20        |             | 1,4          | < .05        | 0,04         | 13           | < .15          | < .15           |                   |                  |
| 22/10/2001 | 10:10 |               | 15,8        | 7,9 | 300               | 9,1             | 93           | 21          | 2            | 31          |             | 1,1          | 0,08         | 0,05         | 10           | < .15          | < .15           | 12,6              | 11,6             |
| 24/09/2001 | 10:20 |               | 15,5        | 7,5 | 230               | 9,4             | 95           | 9           | 2            | 21          |             | < 1          | 0,05         | 0,04         | 9            | < .15          | < .15           | 2,7               | 6,7              |
| 20/08/2001 | 10:10 |               | 21,0        | 7,7 | 326               | 8,5             | 96           | 7           | 3            | 23          |             | < 1          | < .05        | 0,04         | 11           | < .15          | < .15           | 14,8              | 8,6              |
| 23/07/2001 | 10:10 |               | 21,2        | 7,5 | 238               | 8,6             | 97           | 5           | 2            | < 20        |             | < 1          | 0,08         | 0,03         | 11           | < .15          | < .15           | 8,8               | 3,5              |
| 25/06/2001 | 09:55 |               | 23,4        | 7,6 | 282               |                 |              | 7           | 3            | 20          |             | 1,7          | 0,06         | 0,05         | 5            | < .15          | < .15           | 21,6              | 10,9             |
| 28/05/2001 | 10:15 |               | 19,6        | 7,5 | 251               | 9,7             | 106          | 7           | 4            | 22          |             | 1,4          | 0,02         | 0,03         | 12           | < .15          | < .15           | 13,4              | 4,2              |
| 12/02/2001 | 11:20 |               | 8,9         | 7,3 | 240               | 11,5            | 100          | 17          | 2            | < 20        |             | 1,4          | 0,08         | 0,05         | 12           | 0,16           | < .15           | 2,7               | 7,2              |
| 11/12/2000 | 11:05 | 128,000       | 10,3        | 7,6 |                   | 11,1            |              | 21          | 2            | < 20        |             | 1,7          | 0,08         | 0,06         | 10           | 0,27           | < .2            |                   |                  |
| 16/10/2000 | 10:40 | 50,900        | 13,3        | 8,0 |                   | 9,7             | 94           | 13          | 2            | 26          |             | 1,1          | 0,06         | 0,04         | 7            | 0,15           | < .2            | 10,7              | 8,5              |
| 18/09/2000 | 10:05 | 18,400        | 18,2        | 7,6 |                   | 9,0             | 96           | 12          | 3            | < 20        |             | 1,1          | 0,02         | 0,04         | 9            | < .05          | < .2            | 15                | 10               |
| 21/08/2000 | 10:05 | 17,100        | 21,3        | 7,9 |                   | 8,5             | 96           | 10          | 4            | 32          |             | 2            | 0,06         | 0,04         | 9            | < .05          | < .2            | 17                | 10               |
| 17/07/2000 | 10:25 | 45,000        | 17,8        | 7,3 |                   | 9,0             | 92           | 12          | 1            | 29          |             | < .5         | 0,06         | 0,03         | 12           | 0,1            | < .2            | 7,6               | 4,5              |
| 19/06/2000 | 10:30 | 29,600        | 23,8        | 7,8 |                   | 8,8             | 100          | 11          | 3            | 20          |             | 1,1          | 0,08         | 0,05         | 8            | < .05          | < .2            | 30                | 14               |
| 22/05/2000 | 10:40 | 75,200        | 16,5        | 7,3 |                   | 9,6             | 99           | 12          | 1            | 20          |             | 1,7          | 0,01         | 0,04         | 9            | 0,18           | < .2            | 8,5               | 5,7              |
| 16/02/2000 | 10:30 | 177,000       | 8,0         | 7,6 |                   | 11,8            | 96           | 17          | 4            | < 20        |             | 1,4          | 0,12         | 0,09         | 11           | 0,2            | < .2            | 7,5               | 1,5              |

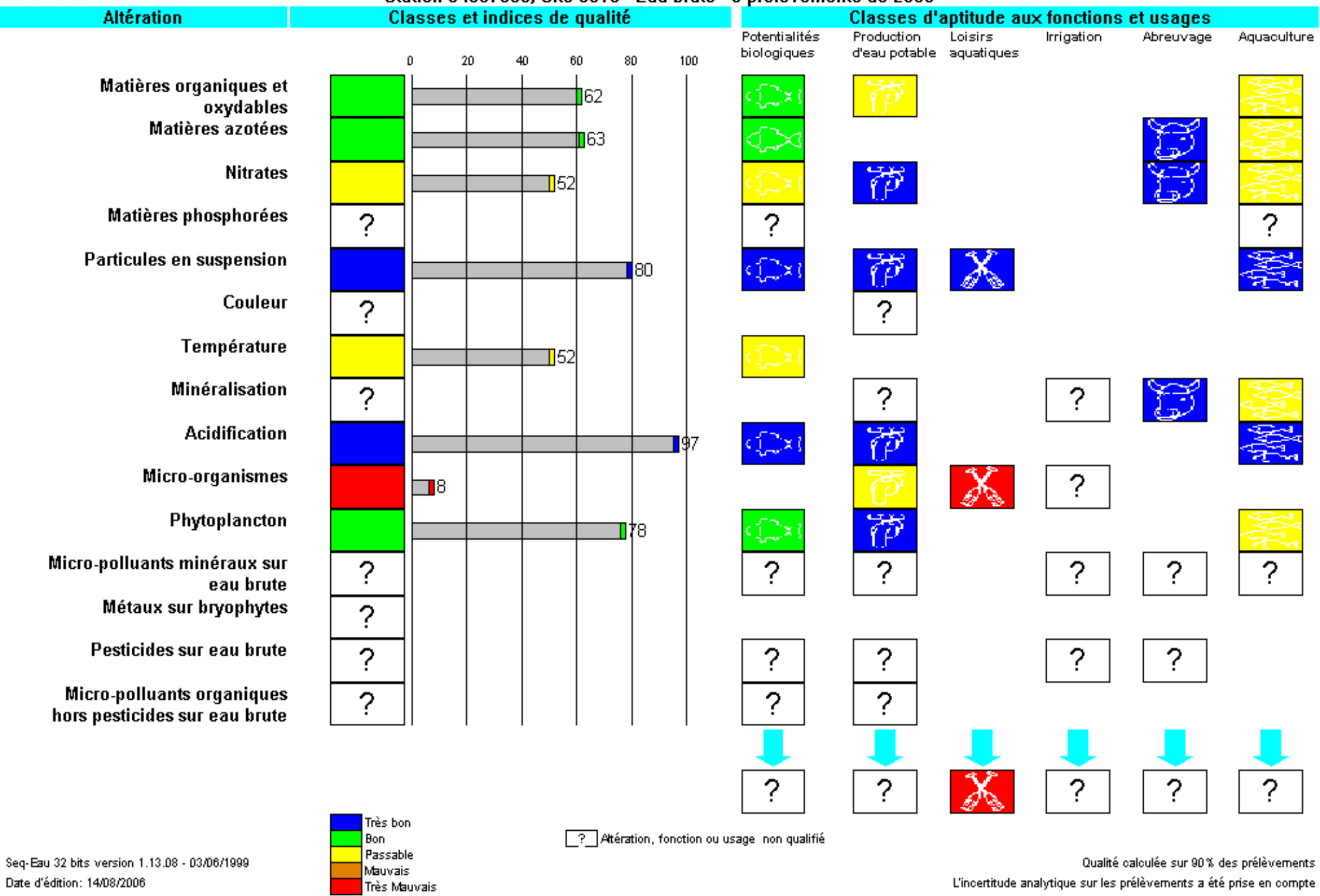




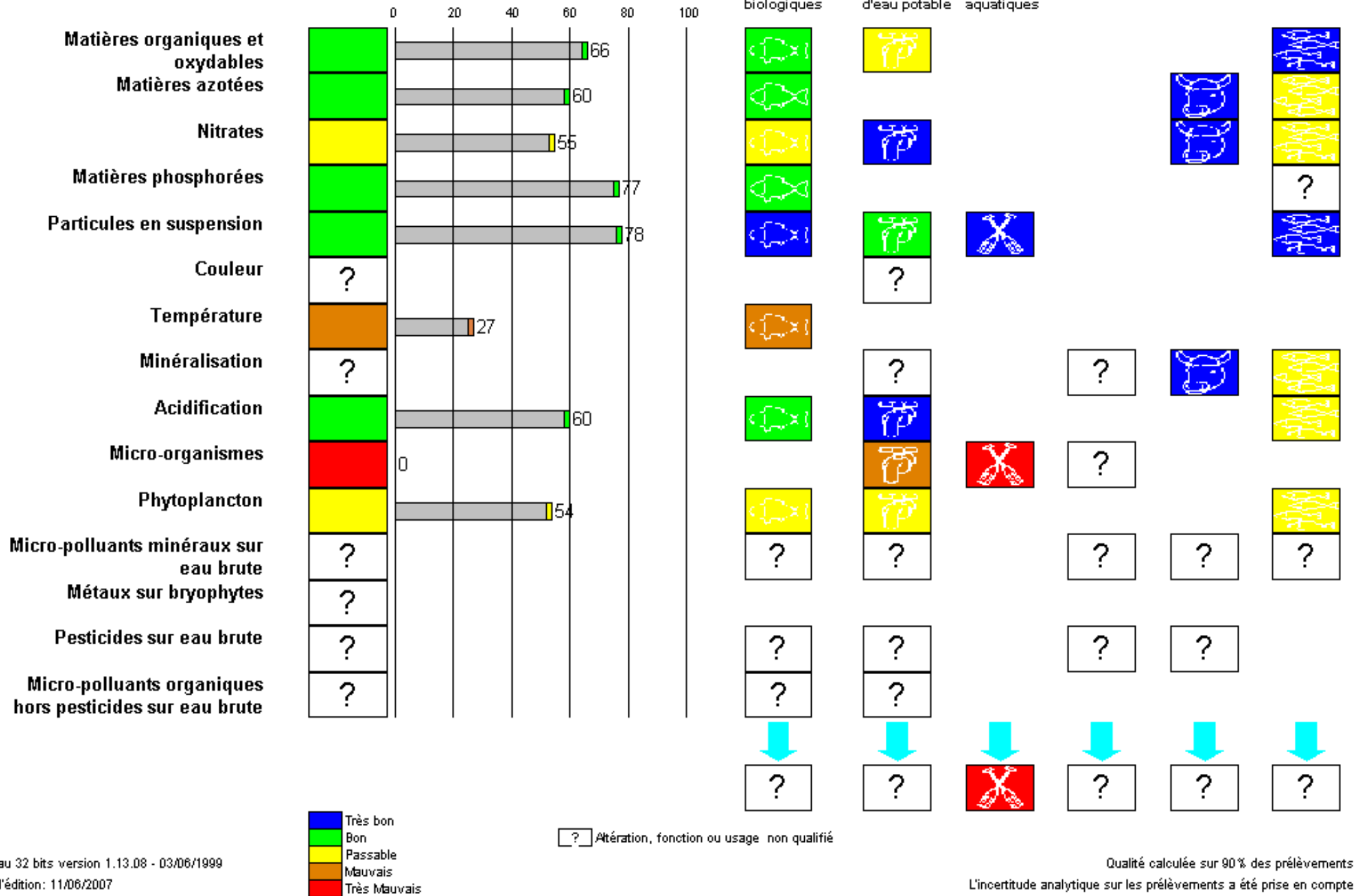


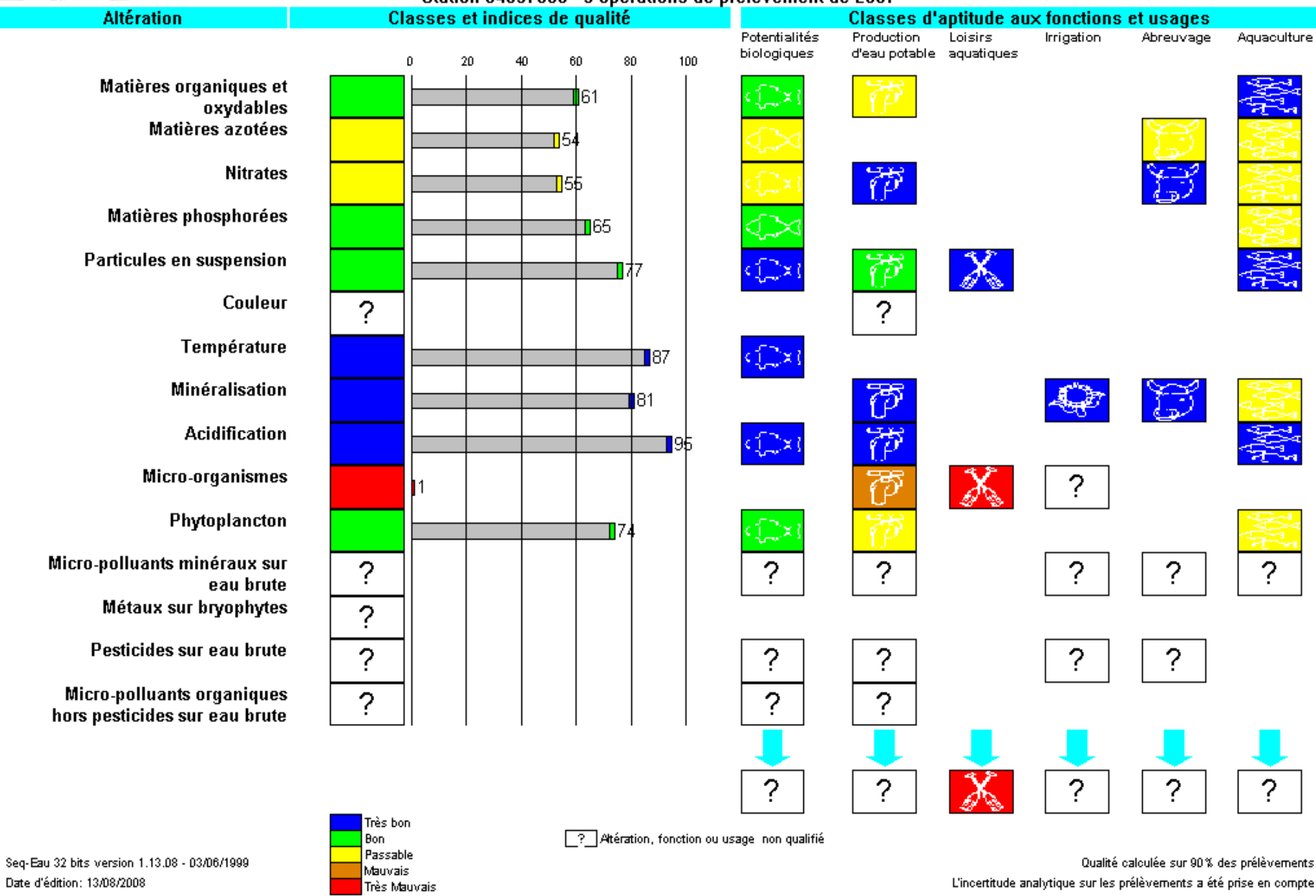
| Altération                                               |  | Classes et indices de qualité |    | Classes d'aptitude aux fonctions et usages |                          |                    |            |             |             |    |
|----------------------------------------------------------|--|-------------------------------|----|--------------------------------------------|--------------------------|--------------------|------------|-------------|-------------|----|
|                                                          |  |                               |    | Potentialités biologiques                  | Production d'eau potable | Loisirs aquatiques | Irrigation | Abreuvement | Aquaculture |    |
| Matières organiques et oxydables                         |  | 0                             | 20 | 40                                         | 60                       | 80                 | 100        |             |             |    |
| Matières azotées                                         |  |                               |    |                                            |                          |                    |            |             |             |    |
| Nitrates                                                 |  |                               |    |                                            |                          |                    |            |             |             |    |
| Matières phosphorées                                     |  |                               |    |                                            |                          |                    |            |             |             |    |
| Particules en suspension                                 |  |                               |    |                                            |                          |                    |            |             |             |    |
| Couleur                                                  |  |                               |    |                                            |                          |                    |            |             |             |    |
| Température                                              |  |                               |    |                                            |                          |                    |            |             |             |    |
| Minéralisation                                           |  |                               |    |                                            |                          |                    |            |             |             |    |
| Acidification                                            |  |                               |    |                                            |                          |                    |            |             |             |    |
| Micro-organismes                                         |  |                               |    |                                            |                          |                    |            |             |             |    |
| Phytoplancton                                            |  |                               |    |                                            |                          |                    |            |             |             |    |
| Micro-polluants minéraux sur eau brute                   |  |                               |    |                                            |                          |                    |            |             |             |    |
| Métaux sur bryophytes                                    |  |                               |    |                                            |                          |                    |            |             |             |    |
| Pesticides sur eau brute                                 |  |                               |    |                                            |                          |                    |            |             |             |    |
| Micro-polluants organiques hors pesticides sur eau brute |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
|                                                          |  |                               |    |                                            |                          |                    |            |             |             |    |
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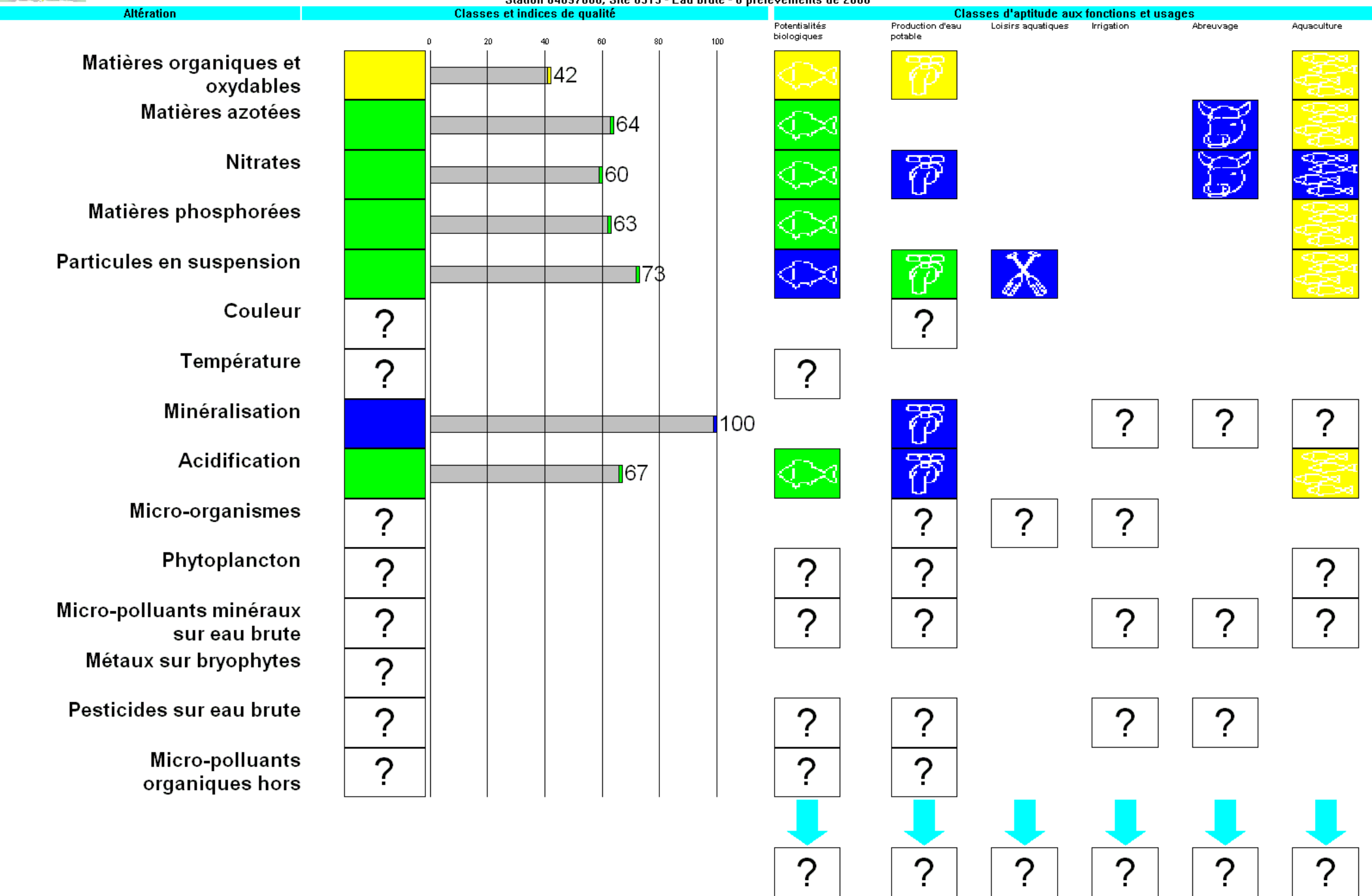




## Classes d'aptitude aux fonctions et usages







Très bon  
 Bon  
 Passable  
 Mauvais  
 Très mauvais

Altération, fonction ou usage non qualifié