

Macro-invertebrate survey sheet—Method 2

Date (dd/mm/yy)
/ / Monitor(s) _____
 Site code _____ Tributary/site name _____
 Have you filled out your field cover sheet? Yes No

| Common name | Scientific order (unless indicated otherwise) | Pollution sensitivity (SIGNAL 2 scores) | Tick if present at site | Put the pollution sensitivity here | | | | | | | | | | |
|---|--|--|-------------------------|------------------------------------|----------------|-----------------|----------------|---------|-----------------|-----------------|-----------------|---------------------|-------------|-------------------|
| Stonefly | Plecoptera | 10 | | | | | | | | | | | | |
| Scorpion fly | Mecoptera | 10 | | | | | | | | | | | | |
| Mayfly | Ephemeroptera | 9 | | | | | | | | | | | | |
| Caddisfly | Trichoptera | 8 | | | | | | | | | | | | |
| Toe biter | Megaloptera | 8 | | | | | | | | | | | | |
| Water mite | Acariformes | 6 | | | | | | | | | | | | |
| Spongefly and lacewing | Neuroptera | 6 | | | | | | | | | | | | |
| Horsehair worm | Nematomorpha | 6 | | | | | | | | | | | | |
| Beetle | Coleoptera | 5 | | | | | | | | | | | | |
| Shrimp, yabby and crab | Decapoda | 4 | | | | | | | | | | | | |
| Sponge | Porifera | 4 | | | | | | | | | | | | |
| Seed shrimp | Ostracoda (subclass) | 4 | | | | | | | | | | | | |
| True fly | Diptera | 3 | | | | | | | | | | | | |
| Dragonfly and damselfly | Odonata | 3 | | | | | | | | | | | | |
| Mussel | Bivalvia (class) | 3 | | | | | | | | | | | | |
| Round worm | Nematoda (phylum) | 3 | | | | | | | | | | | | |
| Side swimmer | Amphipoda | 3 | | | | | | | | | | | | |
| Nemertean | Nemertea | 3 | | | | | | | | | | | | |
| True bug | Hemiptera | 2 | | | | | | | | | | | | |
| Flat worm | Turbellaria | 2 | | | | | | | | | | | | |
| Water slater | Isopoda | 2 | | | | | | | | | | | | |
| Segmented worm | Oligochaeta (class) | 2 | | | | | | | | | | | | |
| Flat worm | Turbellaria (class) | 2 | | | | | | | | | | | | |
| Caterpillar | Lepidoptera | 2 | | | | | | | | | | | | |
| Snail | Gastropoda (class) | 1 | | | | | | | | | | | | |
| Hydra | Hydrozoa | 1 | | | | | | | | | | | | |
| Leech | Hirudiea (class) | 1 | | | | | | | | | | | | |
| Brine shrimp | Anostraca | 1 | | | | | | | | | | | | |
| Clam shrimp | Conchostraca | 1 | | | | | | | | | | | | |
| Springtail | Collembola | 1 | | | | | | | | | | | | |
| <i>Write the number of different taxa groups found at your site here →</i> | | | | | | | | | | | | | | |
| | | <i>Write the sum of sensitivity scores here ↑</i> | | | | | | | | | | | | |
| SIGNAL 2 score = sum of sensitivity scores ÷ number of different taxa groups | | <table border="1"> <thead> <tr> <th>Signal 2 score</th> <th>Habitat quality</th> </tr> </thead> <tbody> <tr> <td>Greater than 6</td> <td>Healthy</td> </tr> <tr> <td>Between 5 and 6</td> <td>Mildly polluted</td> </tr> <tr> <td>Between 4 and 5</td> <td>Moderately polluted</td> </tr> <tr> <td>Less than 4</td> <td>Severely polluted</td> </tr> </tbody> </table> | | | Signal 2 score | Habitat quality | Greater than 6 | Healthy | Between 5 and 6 | Mildly polluted | Between 4 and 5 | Moderately polluted | Less than 4 | Severely polluted |
| Signal 2 score | Habitat quality | | | | | | | | | | | | | |
| Greater than 6 | Healthy | | | | | | | | | | | | | |
| Between 5 and 6 | Mildly polluted | | | | | | | | | | | | | |
| Between 4 and 5 | Moderately polluted | | | | | | | | | | | | | |
| Less than 4 | Severely polluted | | | | | | | | | | | | | |
| The SIGNAL 2 index score for your site = <input style="width: 100px;" type="text"/> | | | | | | | | | | | | | | |
| Your site is: Healthy <input type="checkbox"/> Mildly polluted <input type="checkbox"/> Moderately polluted <input type="checkbox"/> Severely polluted <input type="checkbox"/> | | | | | | | | | | | | | | |
| Macro-invertebrate sensitivity scores adapted from: Chessman B 2003, <i>SIGNAL 2—a scoring system for macro-invertebrate ('water bugs') in Australian rivers</i> , Monitoring River Health Initiative technical report No. 31, Department of Environment and Heritage, Canberra. | | | | | | | | | | | | | | |