## Communication Design.

 GRAPHICS \& FIGURESMatt Walters - Science Communicator School of Biological Sciences, University of Canterbury ©explorpreter


## Pollution Sensitive Species

Mayflies, stoneflies and caddisflies are sensitive to degraded stream habitat
conditions. Because of their sensitivity, we can tell if a stream is more or less healthy by how many of these macroinvertebrates are found in the stream. They are called "EPT" taxa after their scientific names. The EPT taxa are used as part of a stream health index called the Macroinvertebrate Community Index or "MCI"


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## E

Ephemeroptera Mayflies


Trichoptera Caddisflies







| 4 | A | B | C | D | E F | G | H |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 |  | Habitat.type | Percentage | thousand | field modeltype | uncertainty | rescaled_uncertainty |
| 2 |  | 1 Pasture | 2.950913679 | 295 | 5 aggregate.counts | 0.0430204 | 0.939739085 |
| 3 |  | 2 Forest | 1.224992759 | 122 | 29 aggregate.counts | -3.861099 | 0.681567295 |
| 4 |  | 3 Coffee agroforest | 1.794463526 | 179 | 39 aggregate.counts | -4.013769 | 0.671471526 |
| 5 |  | 4 Pasture | 2.680595668 | 268 | 8 aggregate.counts | 0.6791334 | 0.981803995 |
| 6 |  | 5 Coffee agroforest | 1.918213533 | 192 | 46 aggregate.counts | -0.7845946 | 0.885010522 |
| 7 |  | 6 Forest | 1.838630787 | 184 | 25 aggregate.counts | -3.070339 | 0.733858709 |
| 8 |  | 7 Coffee agroforest | 0.9205482 | 92 | 43 aggregate.counts | -10.10873 | 0.268423661 |
| 9 |  | 8 Coffee agroforest | 1.092002484 | 109 | 42 aggregate.counts | 0.2182619 | 0.951327463 |
| 10 |  | 9 Pasture | 3.178122818 | 318 | 3 aggregate.counts | 0.2702955 | 0.954768343 |
| 11 | 10 | 0 Rice | 2.272650222 | 227 | 19 aggregate.counts | -0.1827982 | 0.924806142 |
| 12 | 11 | 1 Pasture | 3.07794736 | 308 | 2 aggregate.counts | 0.4990667 | 0.969896536 |
| 13 | 12 | 2 Rice | 2.685755746 | 269 | 13 aggregate.counts | -0.05004347 | 0.933584953 |
| 14 | 13 | 3 Rice | 2.94095269 | 294 | 15 aggregate.counts | -0.03143445 | 0.934815531 |
| 15 | 14 | 4 Rice | 2.830950924 | 283 | 17 aggregate.counts | -0.1070577 | 0.929814713 |
| 16 |  | 5 Coffee agroforest | 2.080282028 | 208 | 41 aggregate.counts | -1.295119 | 0.85125054 |
| 17 | 16 | 6 Abandoned coffee agroforest | 0.9205482 | 92 | 33 aggregate.counts | 0.48552 | 0.969000719 |
| 18 | 17 | 7 Rice | 2.680595668 | 268 | 22 aggregate.counts | 0.6080612 | 0.977104129 |
| 19 | 18 | 8 Pasture | 2.614916218 | 261 | 7 aggregate.counts | 0.04830815 | 0.940088753 |
| 20 | 19 | 9 Forest | 1.012419738 | 101 | 28 aggregate.counts | -5.604461 | 0.566282171 |
| 21 | 20 | 0 Rice | 2.934218322 | 293 | 24 aggregate.counts | 0.3302136 | 0.95873061 |
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Correlated preferences



Know
your messege

## Start at the end



## Save the rainbows

## What the font

## aaaવaaaaaるaaa

## $\rightarrow$ Make it fow



# Diminish <br> the low value stuff 

## Laver the information



Understand file formats


## Be consistent

