

- REC is a good starting point to explore whether ecological relationships (intercept and slope) vary among river classes
- I would suggest that we look at Ton's spatially resolved TN and TP "predictions" and base the periphyton index on these (potentially reducing the group number to six).
- North and South Island, particularly for P
- We have also began looking at whether these relationships vary with climate classes, source of flow, island and geology, and can also provide these soon too.

4. Whether TN and TP attributes for ecosystem health are appropriate

- Compare TN and TP patterns to nitrate and DRP – both nationally and among river classes
- The ratios at any site are relatively constant and the variability in the ratios of DIN:TN and DRP:TP in any region will probably not have wide error bars. So, for the (few) sites that don't measure TN and TP we could probably convert using a regional (or river class) ratio. We can interrogate LAWA for this (or Ton may have done this already)be aggregated (perhaps into five or six classes).

Suggested reviewers

Scott Larned (NIWA), Roger Young (Cawthron) and (externally) David Hamilton (who is now at the Australian Rivers Institute in Brisbane).

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