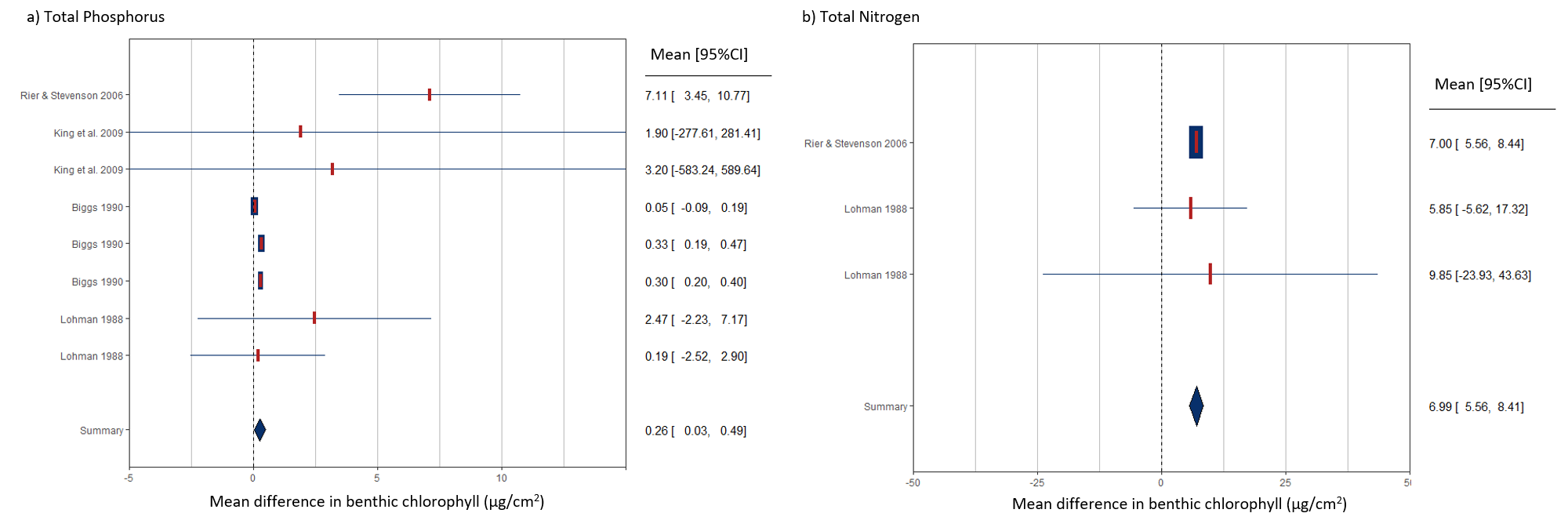
**Response of chlorophyll a to total nitrogen and total phosphorus concentrations in lotic ecosystems: a systematic review [Bennett et al.]**

**ADDITIONAL FILE 12: Forest plots for effect sizes reported in experimental studies and variance distribution over meta-analysis models**

**FOREST PLOTS FOR EXPERIMENTAL STUDIES**

Forest plots for (a) total phosphorus-benthic chlorophyll *a* and (b) total nitrogen-benthic chlorophyll *a* effect sizes reported in experimental studies.



**VARIANCE DISTRIBUTION**

Table of variance (%) distribution over the three levels of the meta-analysis models. The three-level random-effects model (Assink, 2016 #72) accounts for sampling variance (level 1), the variance between effect sizes extracted from the same study (level 2), and the variance between studies (level 3).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Level** | **TN-benthic** | **TP-benthic** | **TN-sestonic** | **TP-sestonic** |
| 1 | 17.7 | 14.7 | 6.5 | 6.6 |
| 2 | 1.4 | 41.8 | 14.9 | 18.2 |
| 3 | 80.9 | 43.5 | 78.6 | 75.2 |