soil systems

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Supplementary Materials

Soil and Tree Nutrient Status of High Elevation Mixed Red Spruce (*Picea rubens* Sarg.) and Broadleaf Deciduous Forests

Philip M. Crim [1,2]*, Louis M. McDonald [3] and Jonathan R. Cumming [2]

[1] Department of Physical and Natural Sciences, The College of Saint Rose, Albany, NY 12203, USA
[2] Department of Biology, West Virginia University, Morgantown, WV 26506, USA; jcumming@wvu.edu
[3] Division of Plant and Soil Sciences, West Virginia University, Morgantown, WV 26506, USA; lmmcdonald@mail.wvu.edu
* Correspondence: pcrim@strose.edu; Tel.: +1-518-454-2910

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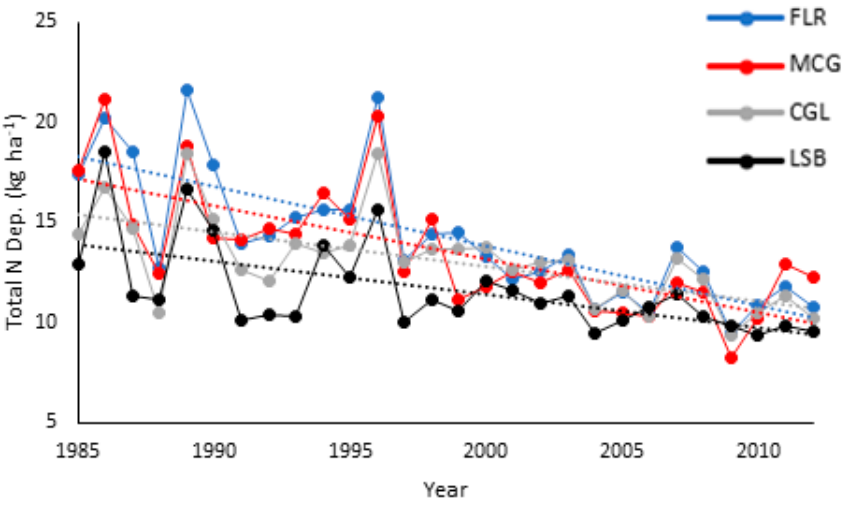

Figure S1. Annual variation in total N deposition from 1985-2012 at Flat Ridge (FLR), McGowan Mountain (MCG), Cranberry Glades (CGL), and Little Spruce Bog (LSB).

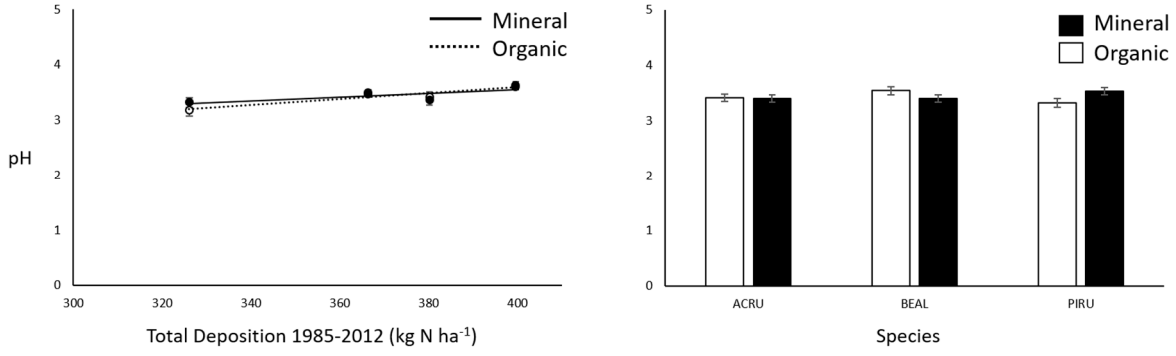

Figure S2. Soil pH as functions of soil fraction and N deposition (left) and overstory tree species (right).

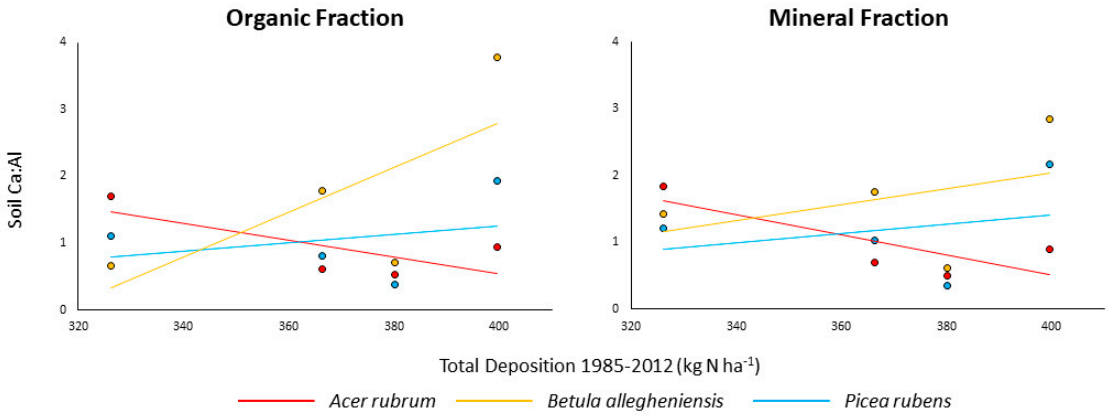

Figure S3. Soil Ca:Al molar ratios by N deposition and overstory tree species for organic (left) and mineral (right) fractions.

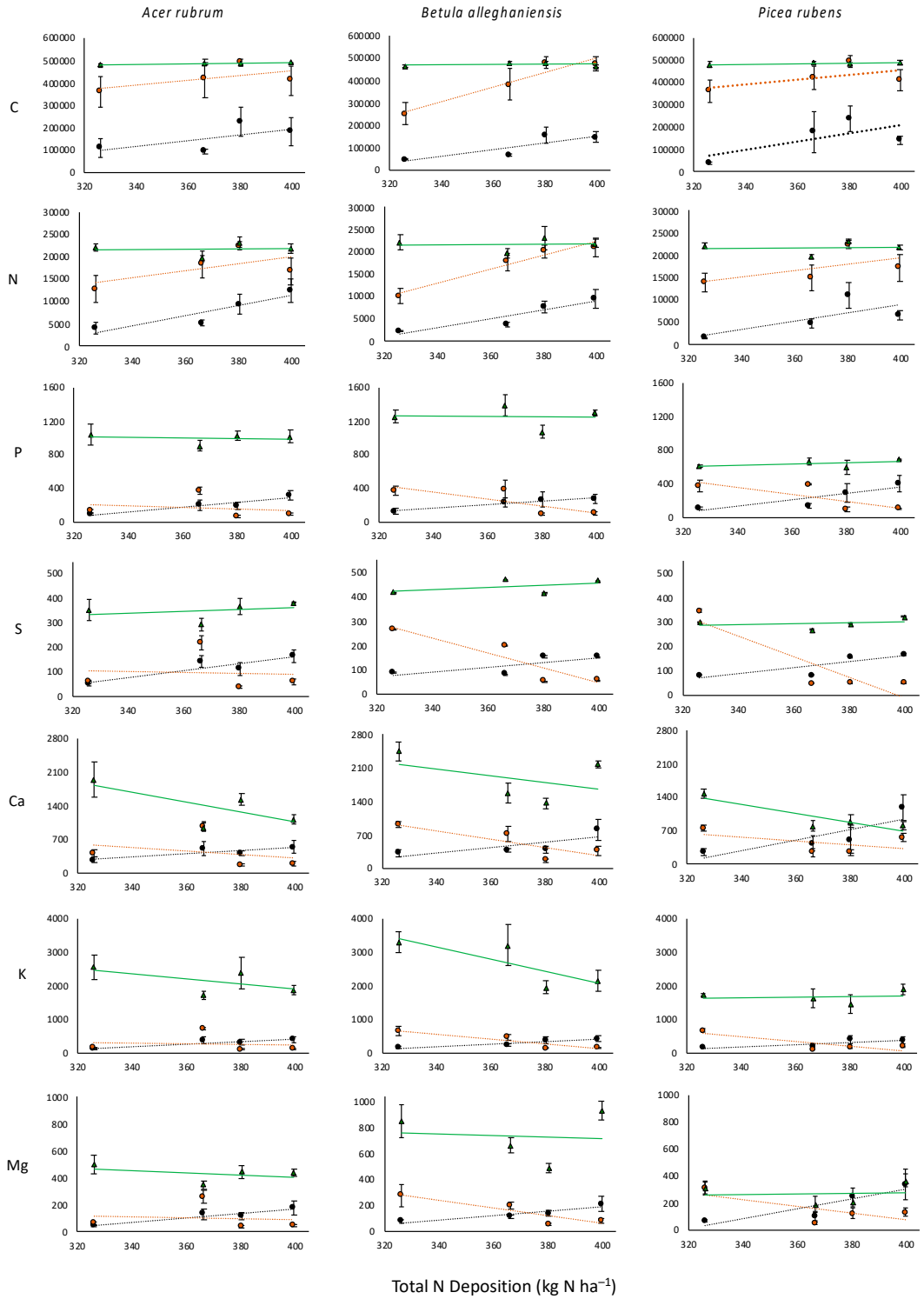

Figure S4a. Soil macro-element concentrations in foliage, and both organic and mineral soil fractions (mg g^{-1}) by forest tree species and modeled estimates of historic N deposition.

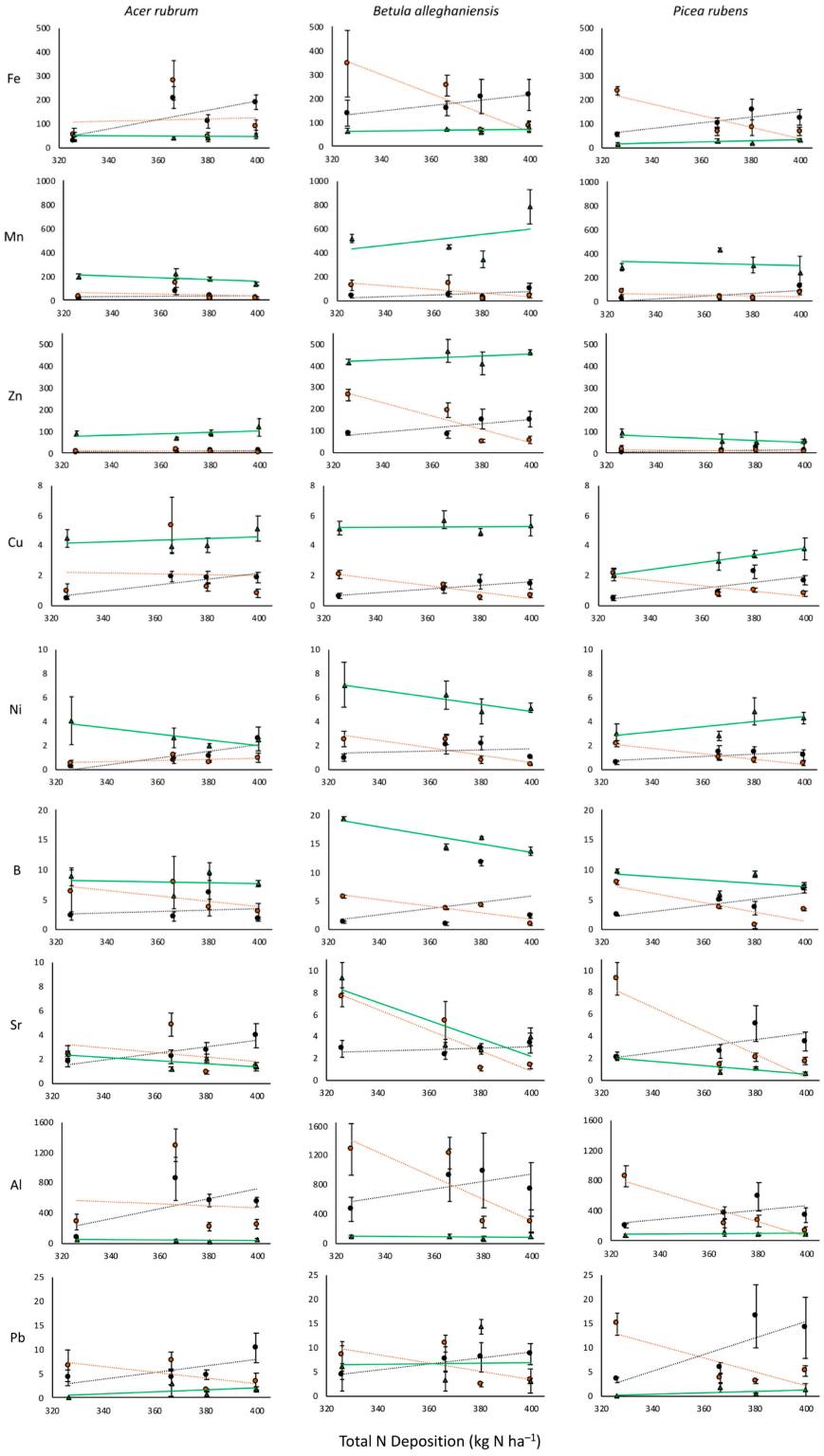

Figure S4b. Soil micro-element concentrations in foliage, and both organic and mineral soil fractions (mg g^{-1}) by forest tree species and modeled estimates of historic N deposition.