Potential effects of climate change and rising CO₂ on ecosystem processes in northeastern U.S. forests

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Figures 2, 3, 4, 5 and 6 were supposed to be printed in color but they appear as black and white in the print copy. We have updated these in color to become legible and made it possible for readers to see primary results of the study.

The online version of the original article can be found at: <http://dx.doi.org/10.1007/s11027-007-9128-z>

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Fig. 2 Predicted net primary productivity (NPP) ($\text{gC m}^{-2} \text{ year}^{-1}$) for the five study sites in the USA (Biscuit Brook, New York; Hubbard Brook, New Hampshire; Harvard Forest, Massachusetts; Huntington Forest, New York; and Howland, Maine) under four climate scenarios with and without CO_2 enhancement effects. The four climate scenarios result from two climate models (PCM and HAD), each run with a high (A1) and low (B1) scenario of future CO_2

Fig. 3 Predicted net primary productivity (NPP) ($\text{gC m}^{-2} \text{ year}^{-1}$) for Hubbard Brook, New Hampshire with a rise in CO_2 , but no change in climate (*green lines*), in contrast to predictions that include rising CO_2 along with the four climate scenarios from two climate models (*PCM* and *HAD*), each run with a high (*A1*) and low (*B1*) scenario of future CO_2 . In the no-climate-change scenarios, climate values for the period from 2000–2099 were generated by reproducing the 1900–1999 record

Fig. 4 Predicted net ecosystem production (NEP) ($\text{gC m}^{-2} \text{year}^{-1}$) for the five study sites in the USA (Biscuit Brook, New York; Hubbard Brook, New Hampshire; Harvard Forest, Massachusetts; Huntington Forest, New York; and Howland, Maine) under four climate scenarios, with and without CO_2 enhancement effects. The four climate scenarios result from two climate models (PCM and HAD), each run with a high (A1) and low (B1) scenario of future CO_2

Fig. 5 Predicted annual runoff (cm year^{-1}) for the five study sites under four climate scenarios with and without CO_2 enhancement effects. The four climate scenarios result from two climate models (*PCM* and *HAD*), each run with a high (*A1*) and low (*B1*) scenario of future CO_2

Fig. 6 Predicted leaching ($\text{gN m}^{-2} \text{ year}^{-1}$) for the five study sites under four climate scenarios, with and without CO_2 enhancement effects. The four climate scenarios result from two climate models (*PCM* and *HAD*), each run with a high (*A1*) and low (*B1*) scenario of future CO_2