Supplemental Fig. S1. Daily precipitation at the study site in 2011, with arrows showing the dates for $^{15}$NO$_3$ addition to in situ mesocosms (15 June), collection of soils for denitrification enzyme activity assay (25 June), and final collection of mesocosm soils and plant biomass 137 days after $^{15}$NO$_3$ addition (30 October).
Supplemental Fig. S2. Groundwater table depth in the toeslopes of three experimental watersheds with perennial filter strips in the lowest 10% of their area, April-October 2011. Vertical dashed line shows date of $^{15}$NO$_3$ addition to in situ mesocosms (15 June). Sharp drops in water table depth at monthly intervals in Watershed 3 appear to result from monthly groundwater sampling.