Contents Volume 51 2000

Volume 51 No. 1 October 2000

ARLENE K. DARKE & MARK R. WALBRIDGE / Al and Fe biogeochemistry in a floodplain forest: Implications for P retention JULIA B. GAUDINSKI, SUSAN E. TRUMBORE, ERIC A. DAVIDSON & SHUHUI ZHENG / Soil carbon cycling in a temperate forest: radiocarbon-based estimates of residence times, sequestration rates and partitioning of fluxes DIANA ENGLE & JOHN M. MELACK / Methane emissions from an Amazon floodplain lake: Enhanced release during episodic mixing and during falling water	1–32 33–69 71–90
PETER FRENZEL & EDGER KAROFELD / CH ₄ emission from a hollow-ridge complex in a raised bog: The role of CH ₄ production and oxidation	91–112
Volume 51 No. 2 November 2000	
LESLEY K. SMITH, WILLIAM M. LEWIS, JR., JEFFREY P. CHANTON, GREG CRONIN & STEPHEN K. HAMILTON / Methane emissions from the Orinoco River floodplain,	
Venezuela L. HELLINGS, K. VAN DEN DRIESSCHE, W. BAEYENS, E. KEPPENS & F. DEHAIRS / Origin and fate of dissolved inorganic carbon in interstitial waters of two freshwater intertidal	113–140
areas: A case study of the Scheldt Estuary, Belgium JAMES W. RAICH, WILLIAM J. PARTON, ANN E. RUSSELL, ROBERT L. SANFORD, JR. & PETER M. VITOUSEK / Analysis of factors regulating ecosystem development on Mauna	141–160
Loa using the Century model ALAN R. HILL, KEVIN J. DEVITO, S. CAMPAGNOLO & K. SANMUGADAS / Subsurface denitrification in a forest riparian zone: Interactions between hydrology and supplies of nitrate	161–191
and organic carbon	193–223
Volume 51 No. 3 December 2000	
PAUL L.E. BODELIER, ALEXANDRA P. HAHN, INKO R. ARTH & PETER FRENZEL / Effects of ammonium-based fertilisation on microbial processes involved in methane emission from soils planted with rice	225–257

TREVOR J. POPP, JEFFREY P. CHANTON, GARY J. WHITING	
& NICK GRANT / Evaluation of methane oxidation in the	
rhizosphere of a Carex dominated fen in north central Alberta,	
Canada	259-281
JASON C. NEFF, SARAH E. HOBBIE & PETER M. VITOUSEK/	
Nutrient and mineralogical control on dissolved organic C, N	
and P fluxes and stoichiometry in Hawaiian soils	283-302
ANDREA BUTTURINI & FRANCESC SABATER / Seasonal	
variability of dissolved organic carbon in a Mediterranean	
stream	303-321
Instructions for Authors	323-332
Author Index	333