

**Table 17.3.** Results of the microbiological measurements. Figures with identical capital letters are not significantly different from each other (Tukey HSD test). (Standard deviation in parentheses; see section on methods for site abbreviations).

	Åhe	Sko	Wal	AuP
microbial C concentration [mg C <sub>mic</sub> g <sup>-1</sup> DW]	10.8 <sup>A</sup> (3.6)	5.9 <sup>B</sup> (2.4)	4.8 <sup>C</sup> (0.9)	6.4 <sup>B</sup> (1.7)
total C storage <sup>a</sup> [kg C <sub>mic</sub> ha <sup>-1</sup> ]	378	416	759	287
microbial N concentration [μg N <sub>mic</sub> g <sup>-1</sup> DW]	76 <sup>A</sup> (43)	104 <sup>B</sup> (51)	96 <sup>A</sup> (100)	158 <sup>C</sup> (133)
total N storage <sup>a</sup> [kg N <sub>mic</sub> ha <sup>-1</sup> ]	2.7	7.3	15.0	7.1
microbial C:N-ratio	142	57	50	40
Bacteria <sup>b</sup> [kg C ha <sup>-1</sup> ]	20	31	36	37
Fungi <sup>b</sup> [kg C ha <sup>-1</sup> ]	358	385	723	250
metabolic potential at 10°C [μgCO <sub>2</sub> -C g <sup>-1</sup> DW h <sup>-1</sup> ]	9.4 <sup>A</sup> (3.5)	5.5 <sup>B</sup> (0.9)	4.3 <sup>C</sup> (0.9)	4.1 <sup>C</sup> (0.9)

<sup>a</sup>: conversion to area based estimates was carried out using dry mass data from Persson, Chapter 2, this volume.

<sup>b</sup>: calculated from the bacteria/fungi-ratio determined at the 4th sampling time.