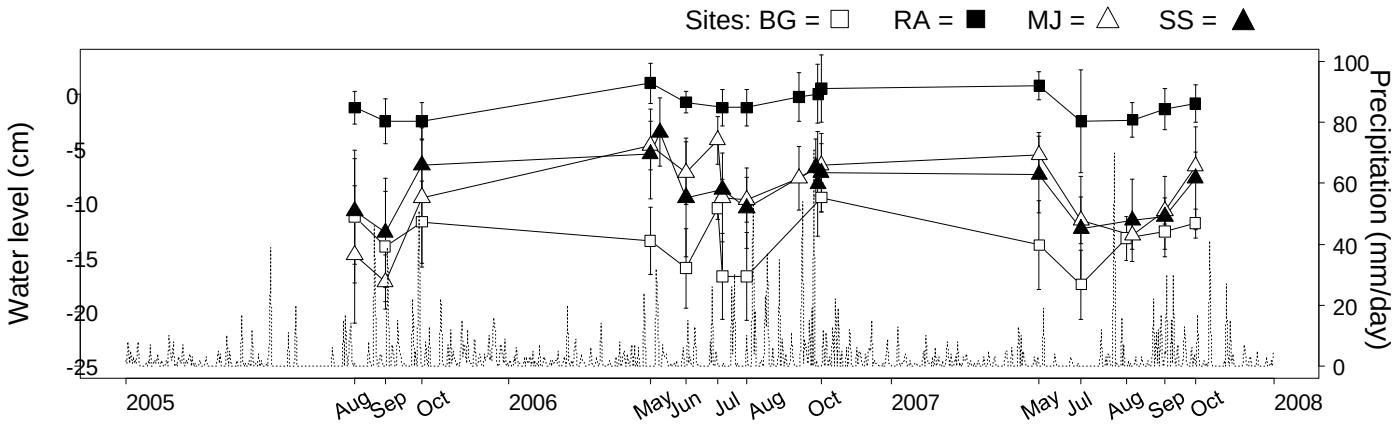
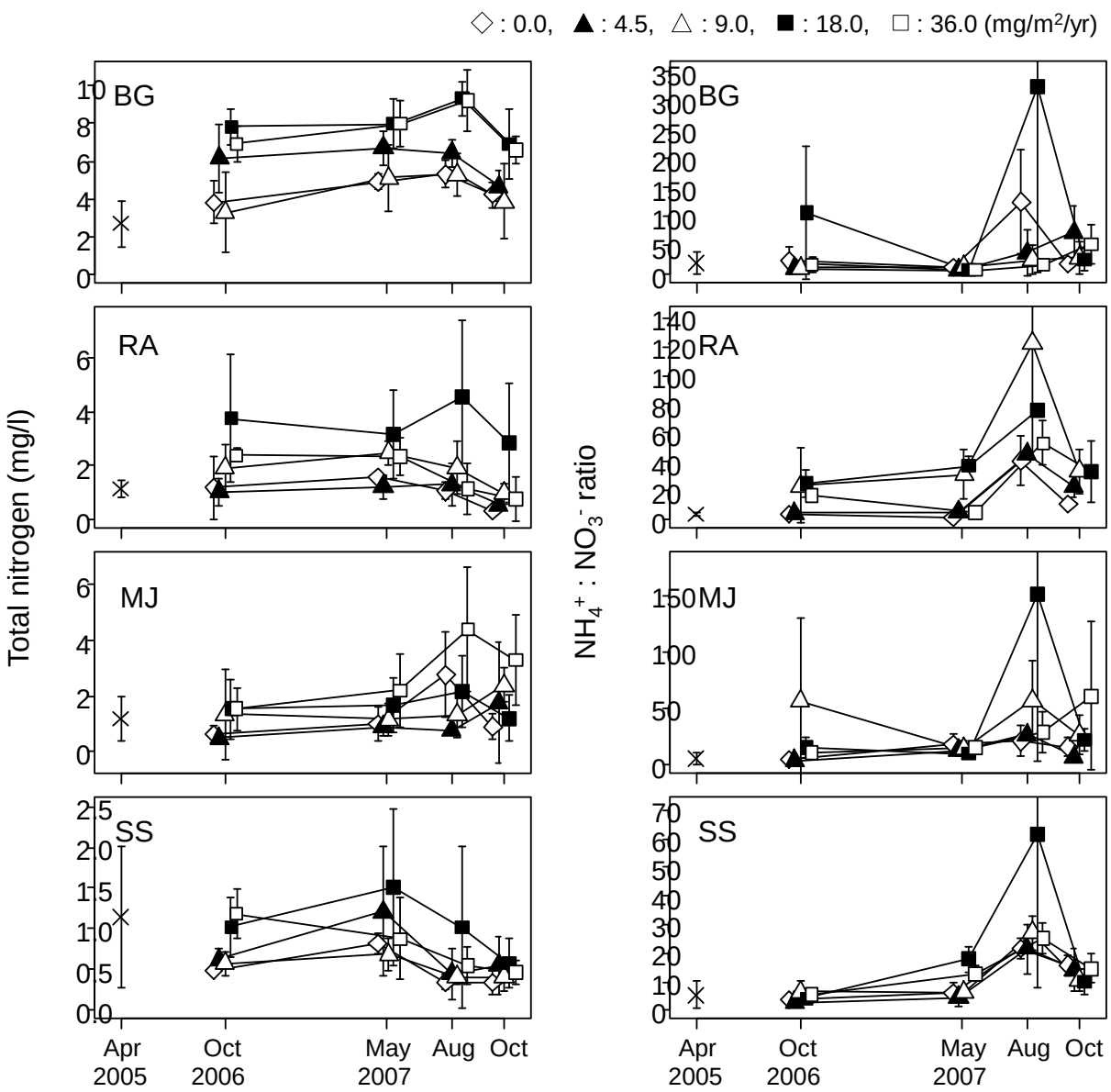
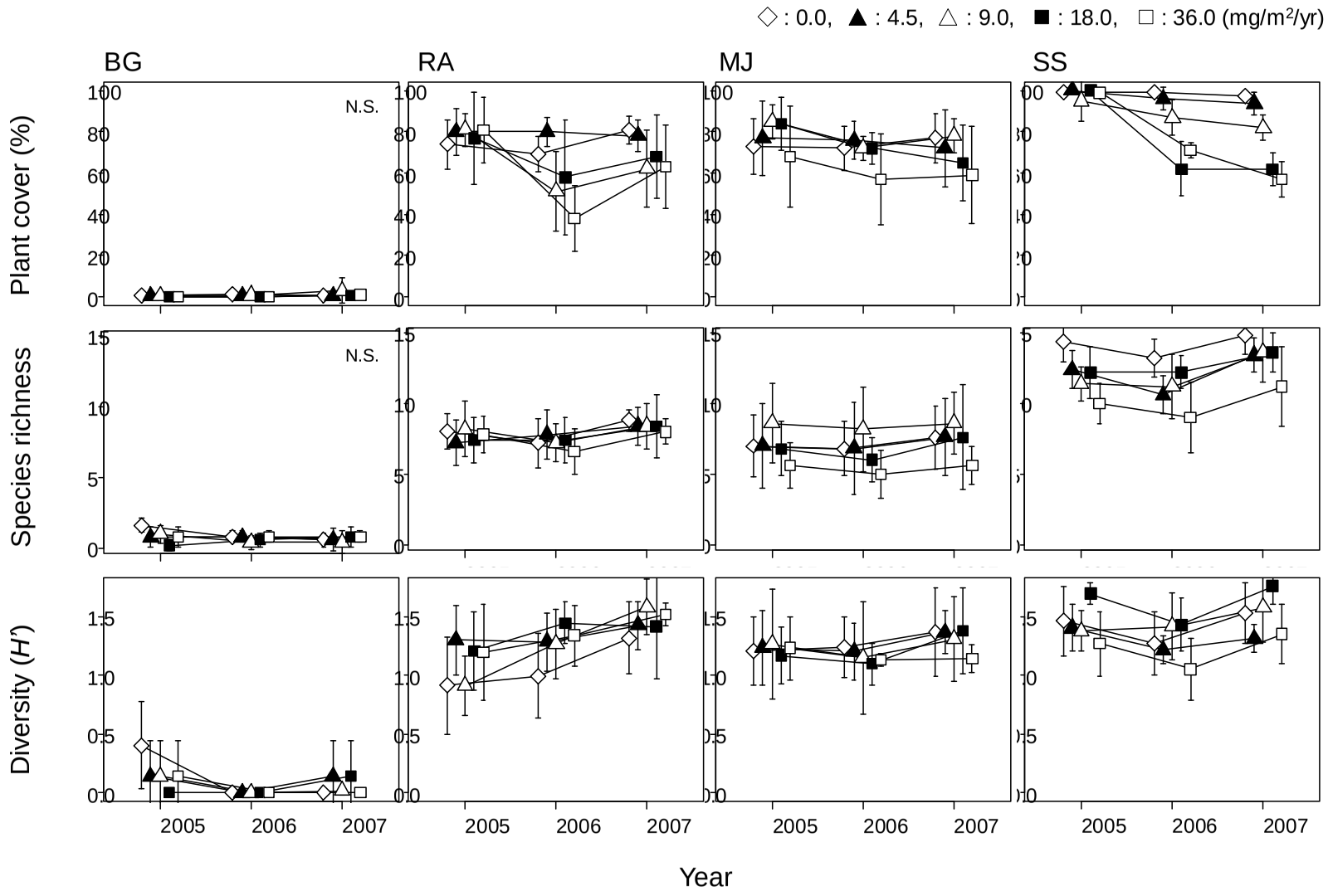
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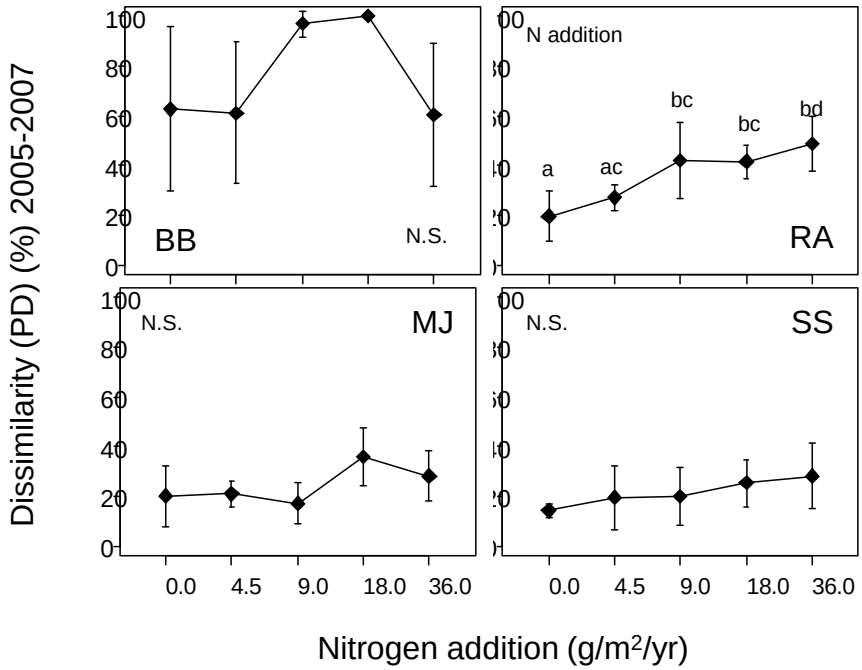
Title	Plant responses to nitrogen fertilization differ between post-mined and original peatlands
Author(s)	Nishimura, Aiko; Tsuyuzaki, Shiro
Citation	Folia geobotanica, 50(2), 107-121 https://doi.org/10.1007/s12224-015-9203-2
Issue Date	2015-06
Doc URL	https://hdl.handle.net/2115/62371
Rights	The final publication is available at Springer via http://dx.doi.org/10.1007/s12224-015-9203-2.
Type	journal article
File Information	igure_FoliaGeobot_nishimura.pdf, 図

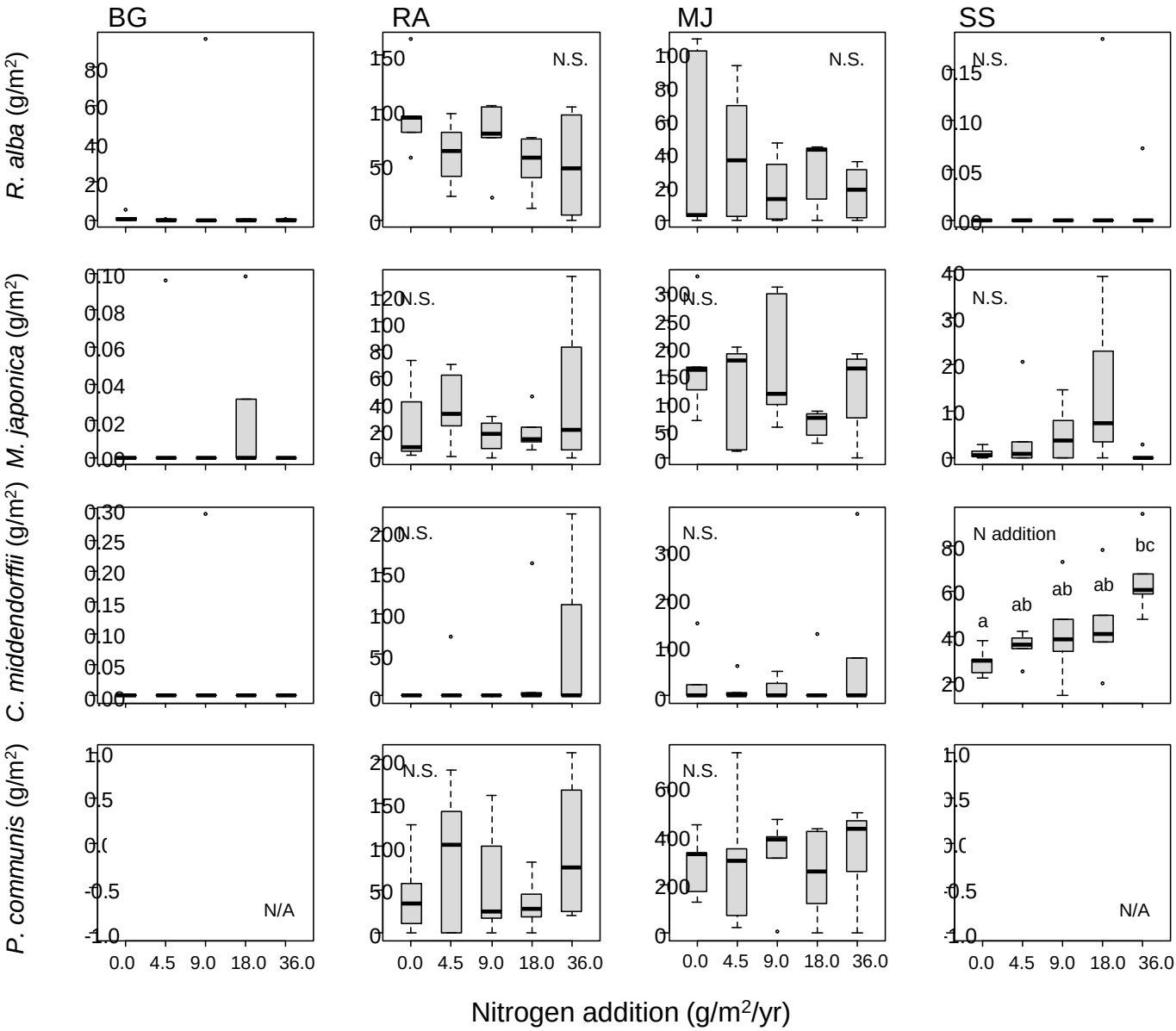
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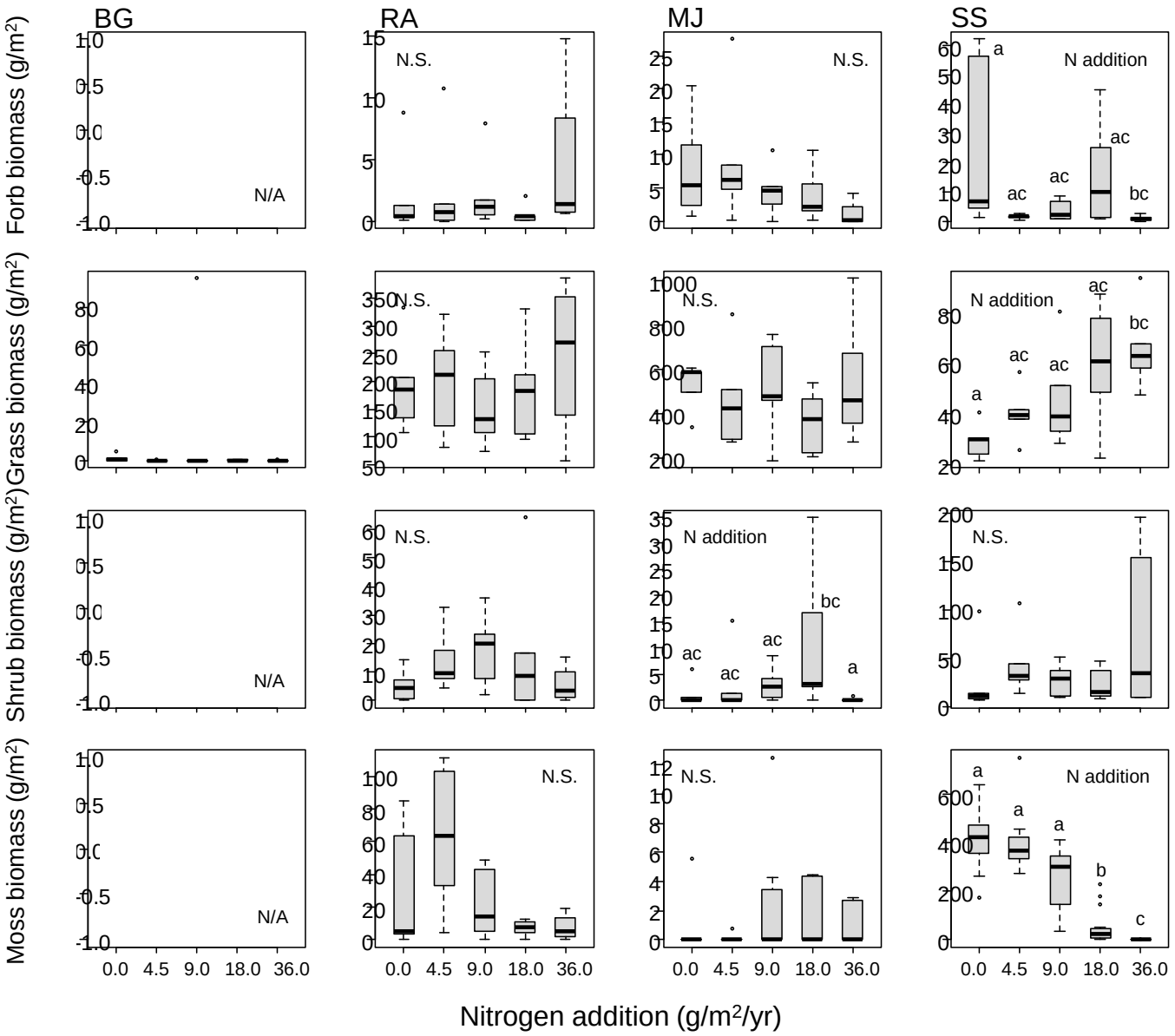

Sites: BG = □ RA = ■ MJ = △ SS = ▲
Water level (cm)
0
-5
-10
-15
-20
-25
Precipitation (mm/day)
100
80
60
40
20
0
2005
Aug
Sep
Oct
2006
May
Jun
Jul
Aug
Oct
2007
May
Jul
Aug
Sep
Oct
2008

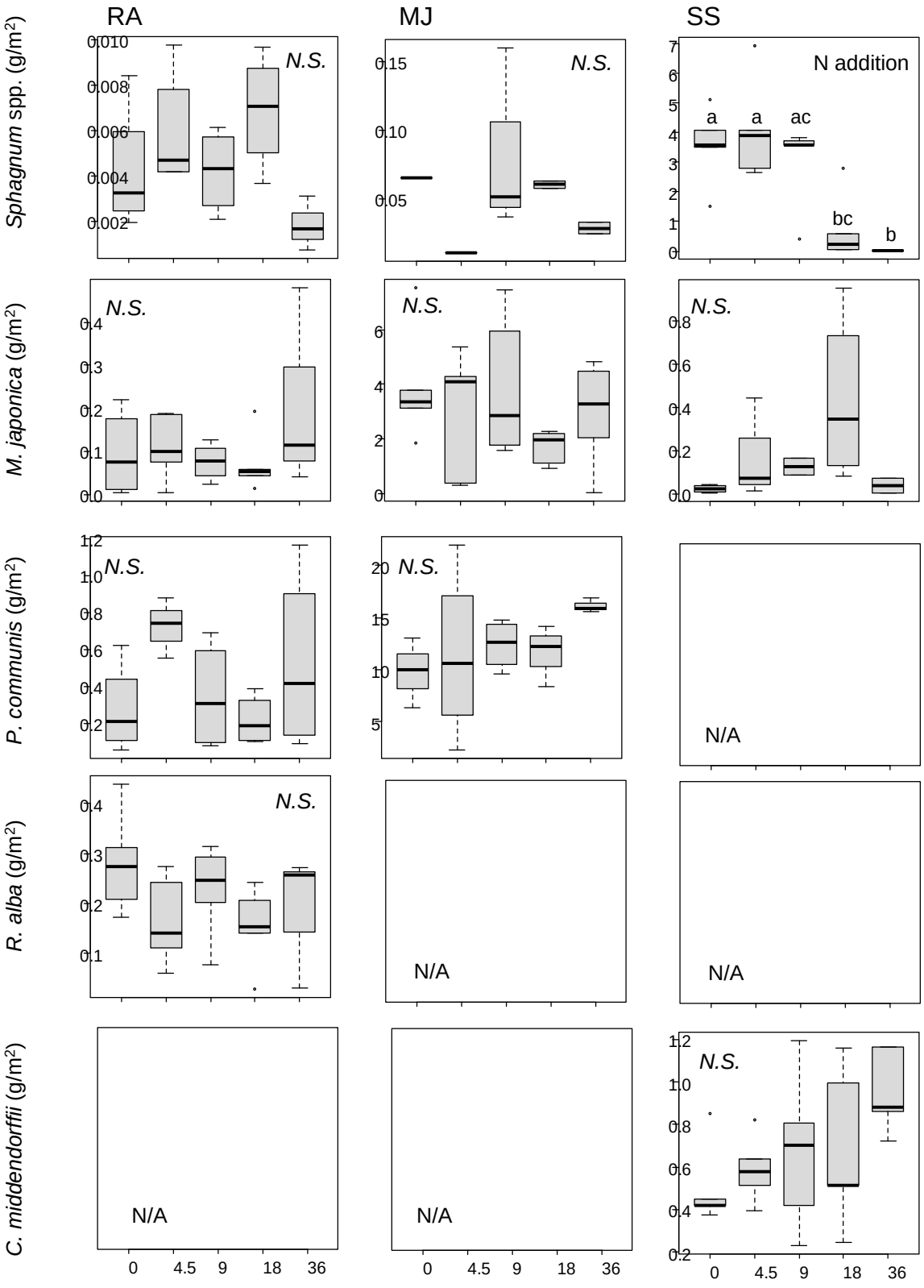

◇ : 0.0, ▲ : 4.5, △ : 9.0, ■ : 18.0, □ : 36.0 (mg/m²/yr)
Total nitrogen (mg/l)
NH4+ : NO3- ratio
BG
RA
MJ
SS
Apr 2005
Oct 2006
May 2007
Aug
Oct


◇ : 0.0, ▲ : 4.5, △ : 9.0, ■ : 18.0, □ : 36.0 (mg/m²/yr)
BG
RA
MJ
SS
Plant cover (%)
Species richness
Diversity (H')
N.S.
N.S.
0
20
40
60
80
100
0
5
10
15
0.0
0.5
1.0
1.5
2005
2006
2007
Year


Dissimilarity (PD) (%) 2005-2007
100
80
60
40
20
0
BB
N.S.
N addition
a
ac
bc
bc
bd
RA
N.S.
MJ
N.S.
SS
0.0
4.5
9.0
18.0
36.0
Nitrogen addition (g/m2/yr)


BG
RA
MJ
SS
R. alba (g/m2)
M. japonica (g/m2)
C. middendorffii (g/m2)
P. communis (g/m2)
N.S.
N/A
N addition
a
ab
ab
ab
bc
0.0 4.5 9.0 18.0 36.0
Nitrogen addition (g/m2/yr)


BG
RA
MJ
SS
Forb biomass (g/m2)
Grass biomass (g/m2)
Shrub biomass (g/m2)
Moss biomass (g/m2)
N.S.
N addition
N/A
a
ac
bc
0.0 4.5 9.0 18.0 36.0
Nitrogen addition (g/m2/yr)


RA
MJ
SS
Sphagnum spp. (g/m2)
M. japonica (g/m2)
P. communis (g/m2)
R. alba (g/m2)
C. middendorffii (g/m2)
N.S.
N addition
a
a
ac
bc
b
N/A
0
4.5
9
18
36
Nitrogen addition (g/m2/yr)