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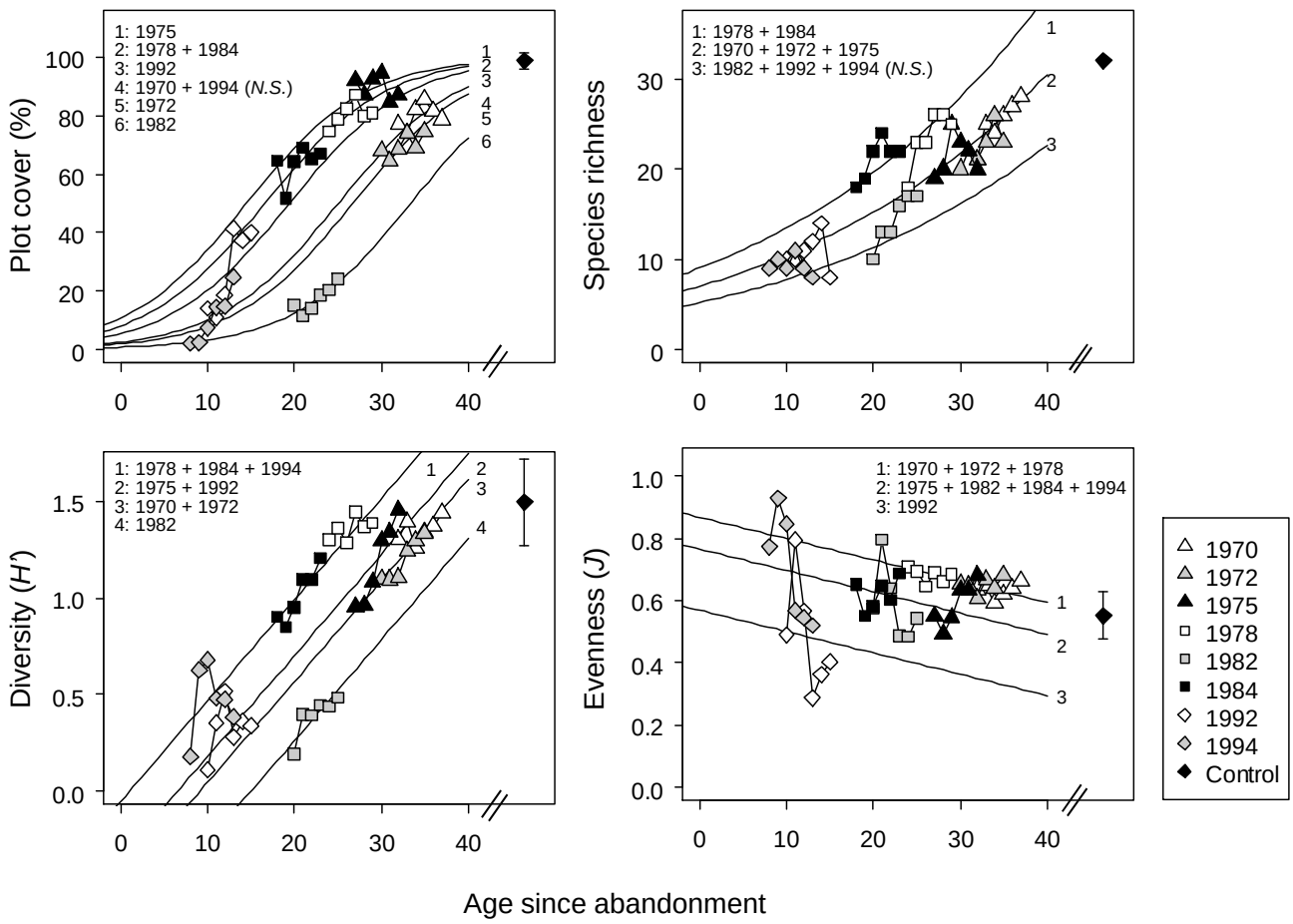
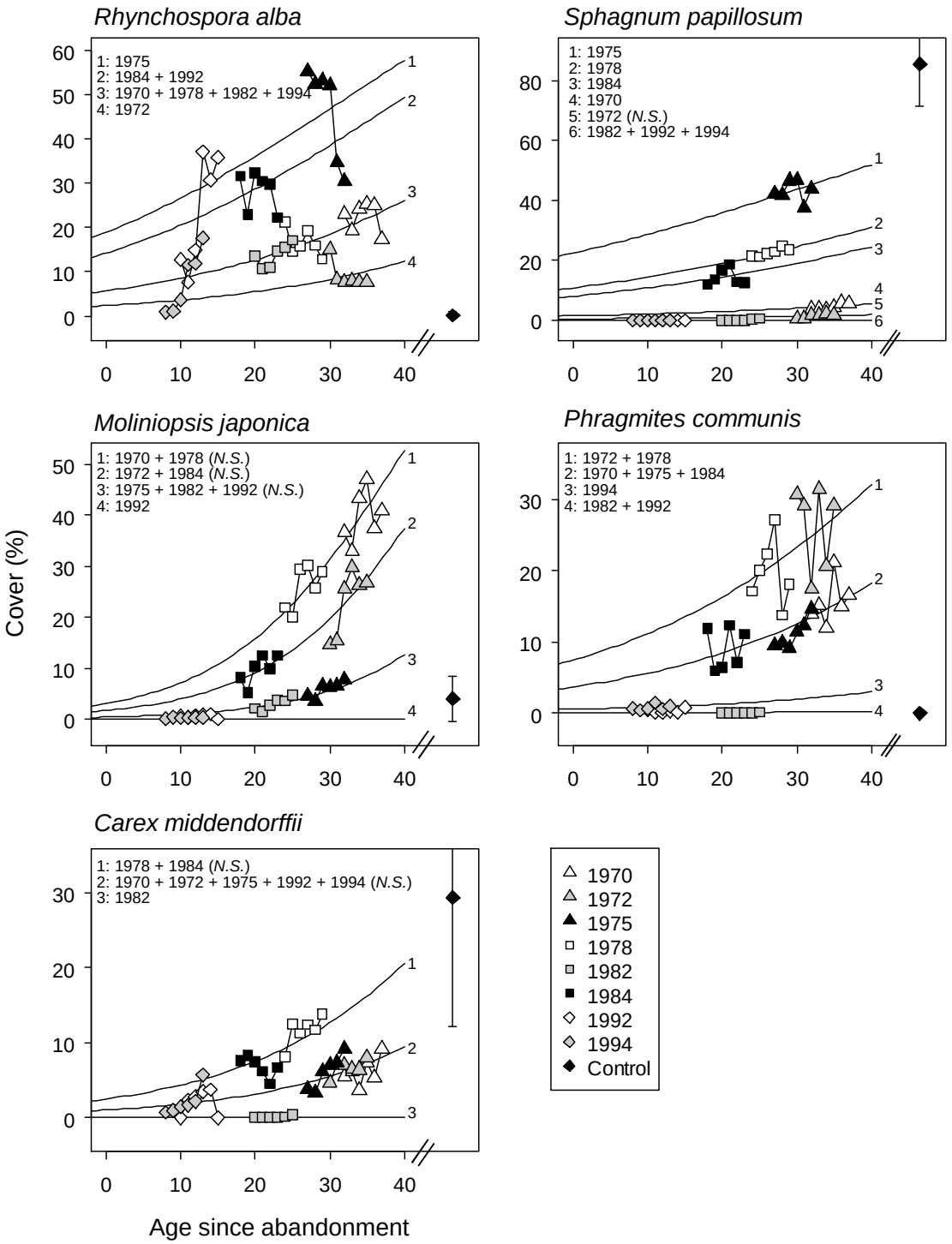
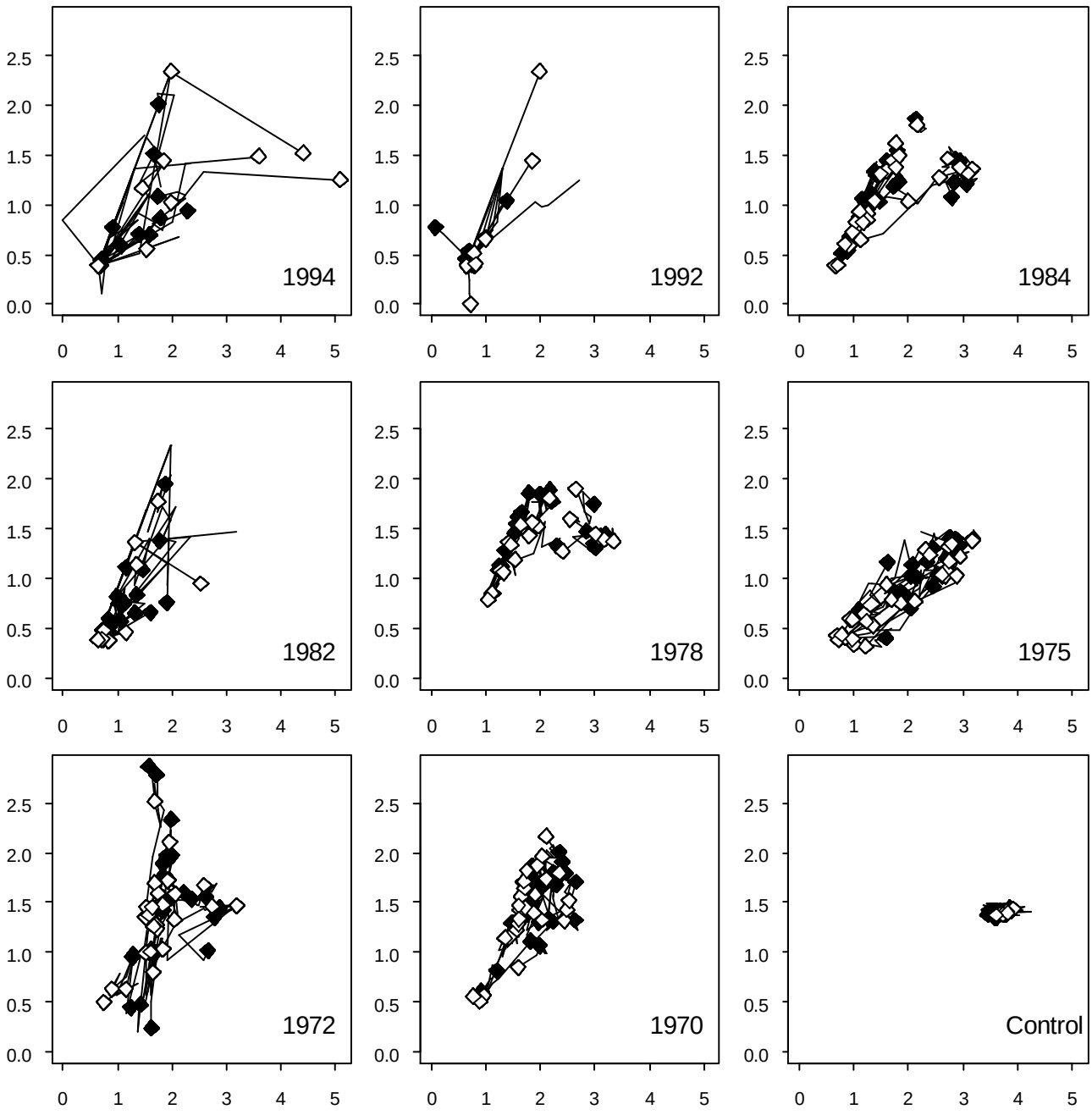
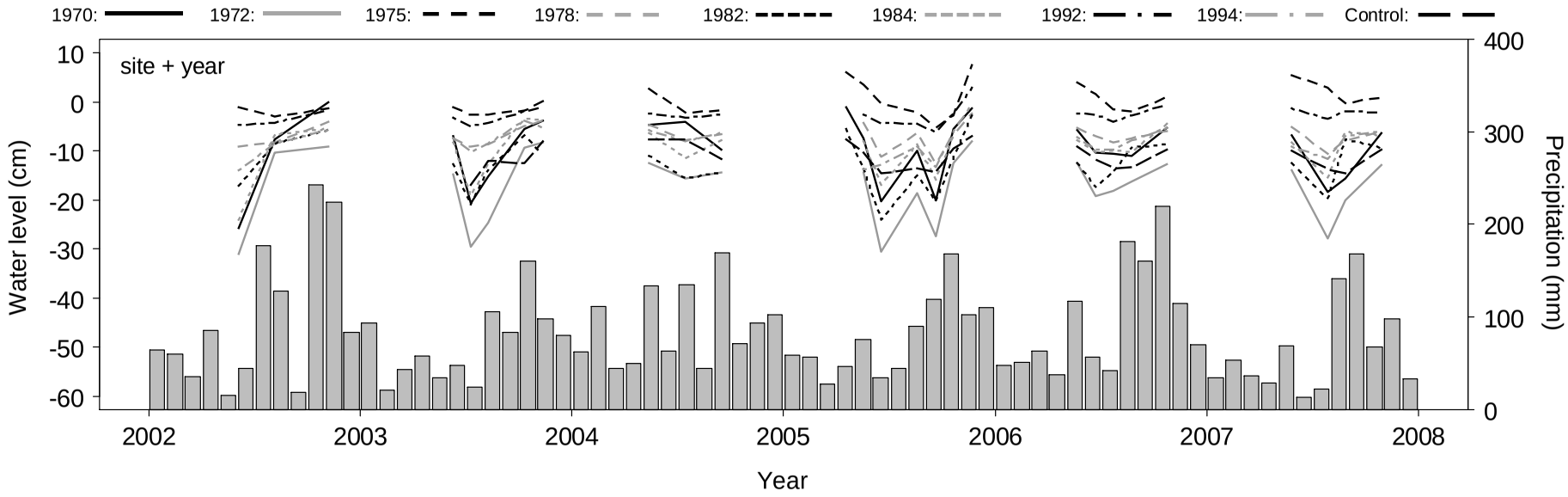
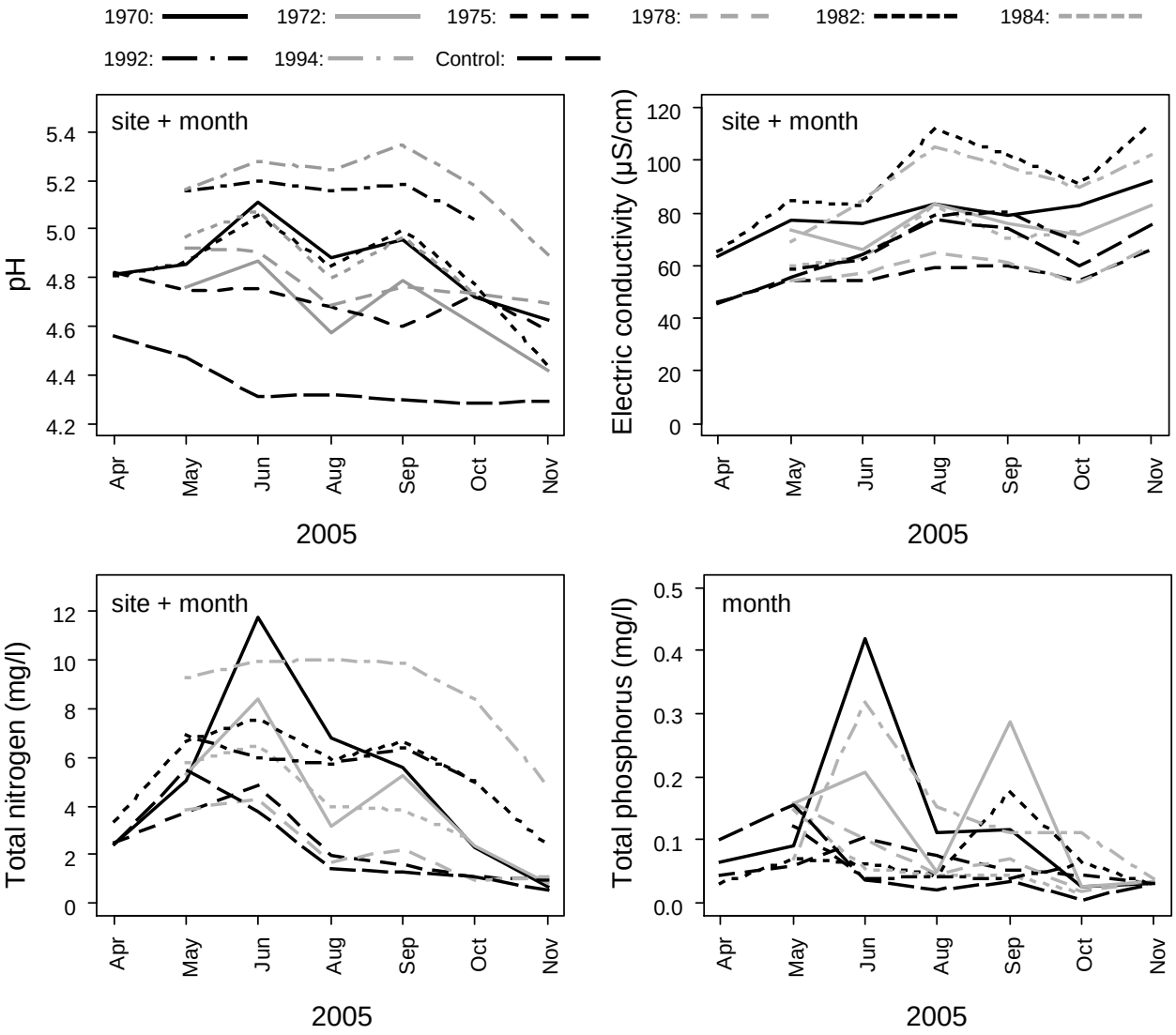
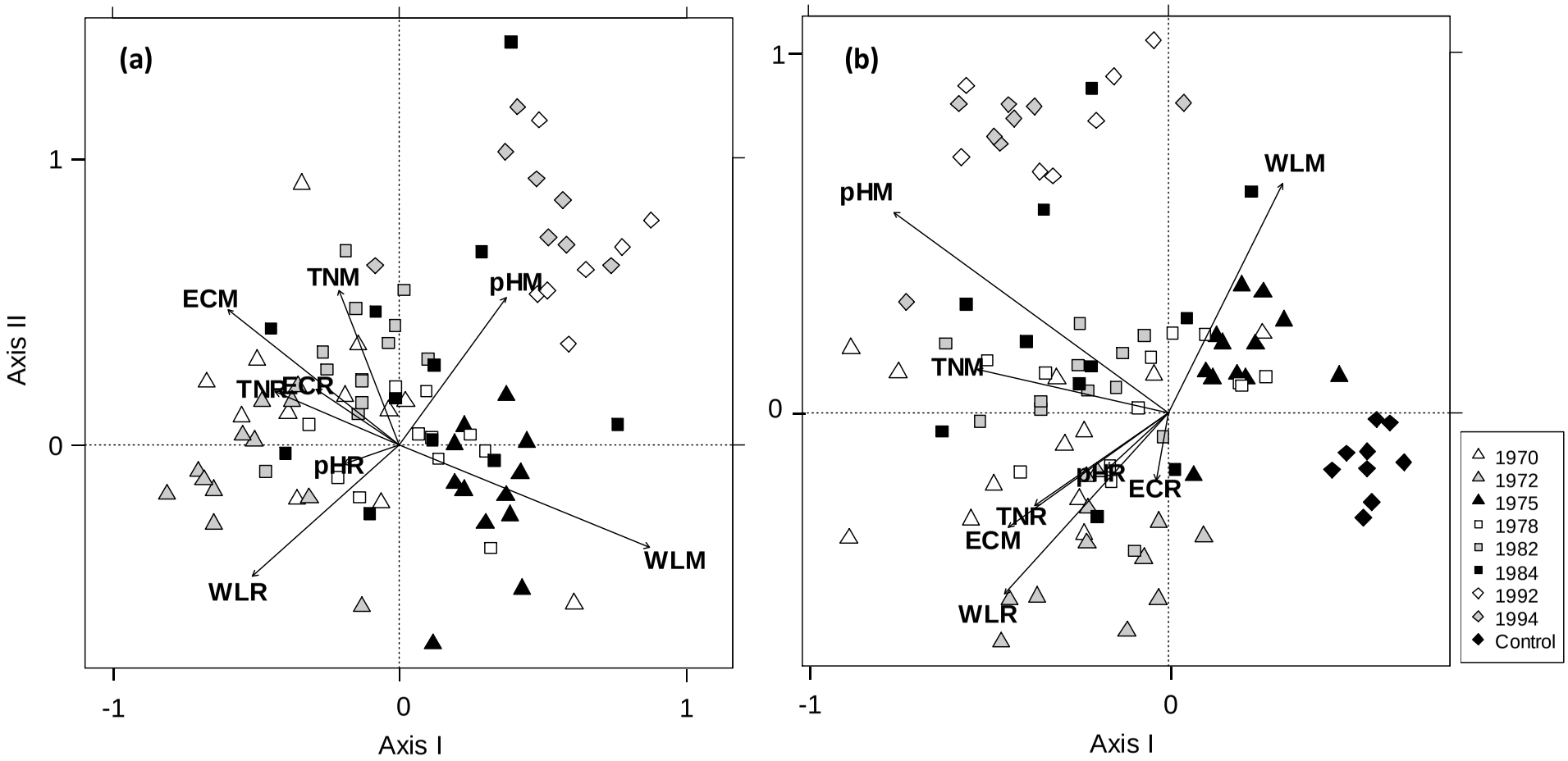

1: 1975
2: 1978 + 1984
3: 1992
4: 1970 + 1994 (N.S.)
5: 1972
6: 1982
Plot cover (%)
1: 1978 + 1984
2: 1970 + 1972 + 1975
3: 1982 + 1992 + 1994 (N.S.)
Species richness
1: 1978 + 1984 + 1994
2: 1975 + 1992
3: 1970 + 1972
4: 1982
Diversity (H')
1: 1970 + 1972 + 1978
2: 1975 + 1982 + 1984 + 1994
3: 1992
Evenness (J)
1970
1972
1975
1978
1982
1984
1992
1994
Control
Age since abandonment


Rhynchospora alba
1: 1975
2: 1984 + 1992
3: 1970 + 1978 + 1982 + 1994
4: 1972
Sphagnum papillosum
1: 1975
2: 1978
3: 1984
4: 1970
5: 1972 (N.S.)
6: 1982 + 1992 + 1994
Moliniopsis japonica
1: 1970 + 1978 (N.S.)
2: 1972 + 1984 (N.S.)
3: 1975 + 1982 + 1992 (N.S.)
4: 1992
Phragmites communis
1: 1972 + 1978
2: 1970 + 1975 + 1984
3: 1994
4: 1982 + 1992
Carex middendorffii
1: 1978 + 1984 (N.S.)
2: 1970 + 1972 + 1975 + 1992 + 1994 (N.S.)
3: 1982
Cover (%)
Age since abandonment
1970
1972
1975
1978
1982
1984
1992
1994
Control


1994
1992
1984
1982
1978
1975
1972
1970
Control
0.0
0.5
1.0
1.5
2.0
2.5
0
1
2
3
4
5


1970:
1972:
1975:
1978:
1982:
1984:
1992:
1994:
Control:
site + year
Water level (cm)
Precipitation (mm)
Year
10
0
-10
-20
-30
-40
-50
-60
400
300
200
100
0
2002
2003
2004
2005
2006
2007
2008


1970:
1972:
1975:
1978:
1982:
1984:
1992:
1994:
Control:
site + month
pH
5.4
5.2
5.0
4.8
4.6
4.4
4.2
Apr
May
Jun
Aug
Sep
Oct
Nov
2005
site + month
Electric conductivity (µS/cm)
120
100
80
60
40
20
0
Apr
May
Jun
Aug
Sep
Oct
Nov
2005
site + month
Total nitrogen (mg/l)
12
10
8
6
4
2
0
Apr
May
Jun
Aug
Sep
Oct
Nov
2005
month
Total phosphorus (mg/l)
0.5
0.4
0.3
0.2
0.1
0.0
Apr
May
Jun
Aug
Sep
Oct
Nov
2005


(a)
(b)
Axis II
Axis I
Axis I
1
0
-1
0
1
ECM
TNM
pHM
TNR
ECR
pHR
WLM
WLR
1970
1972
1975
1978
1982
1984
1992
1994
Control