National Biological Assessment and Criteria Workshop

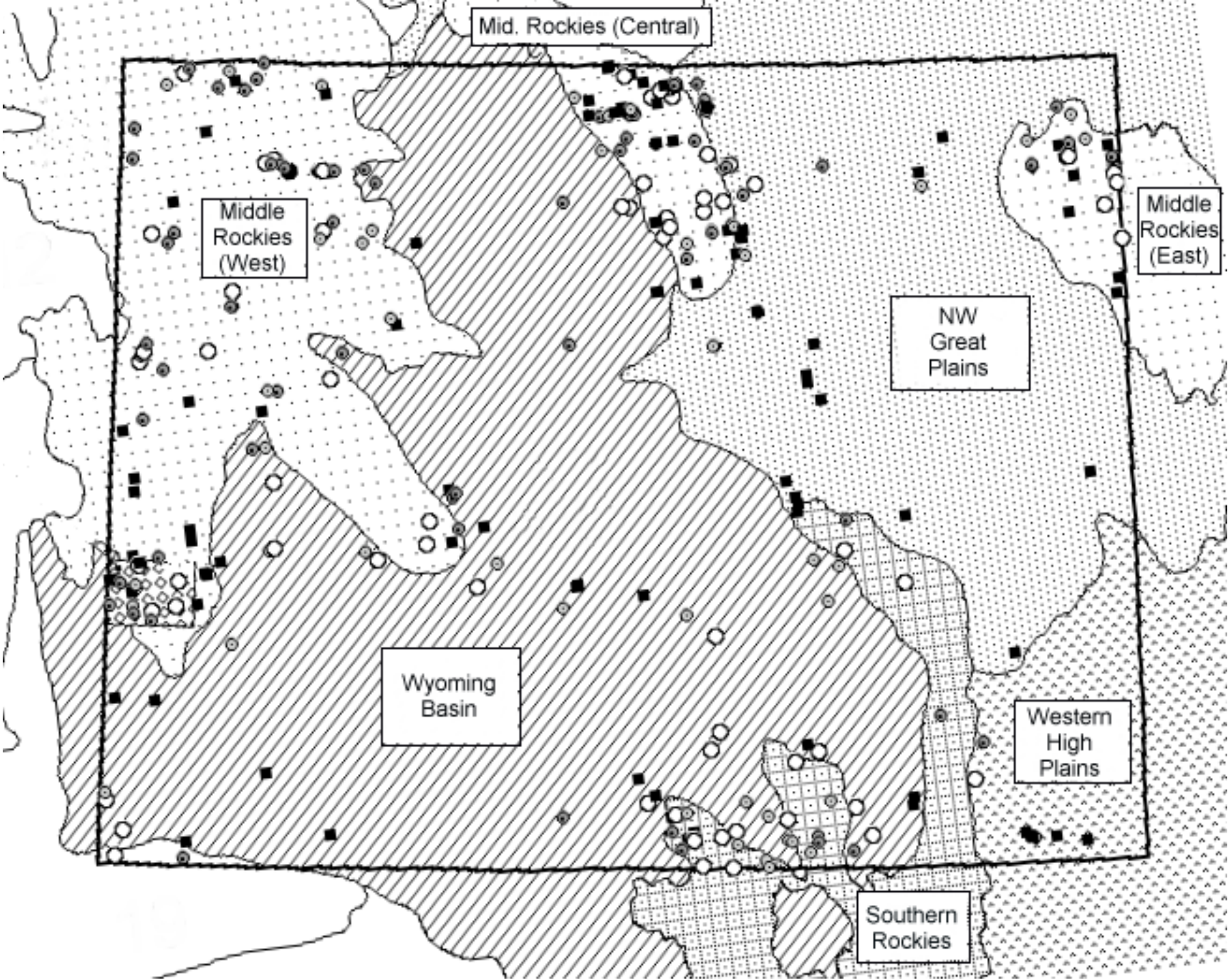
Advancing State and Tribal Programs

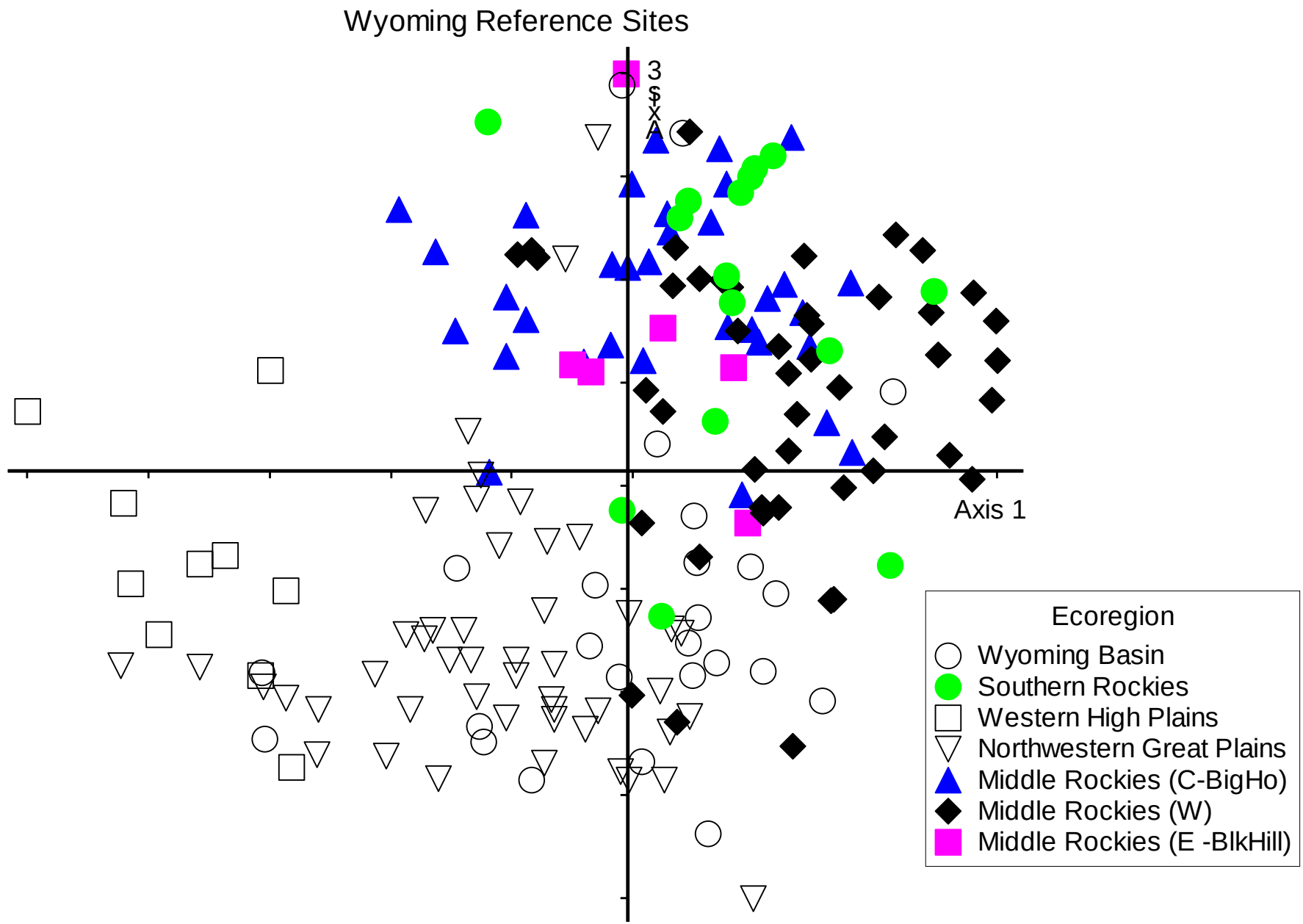
Coeur d'Alene, Idaho
31 March – 4 April, 2003

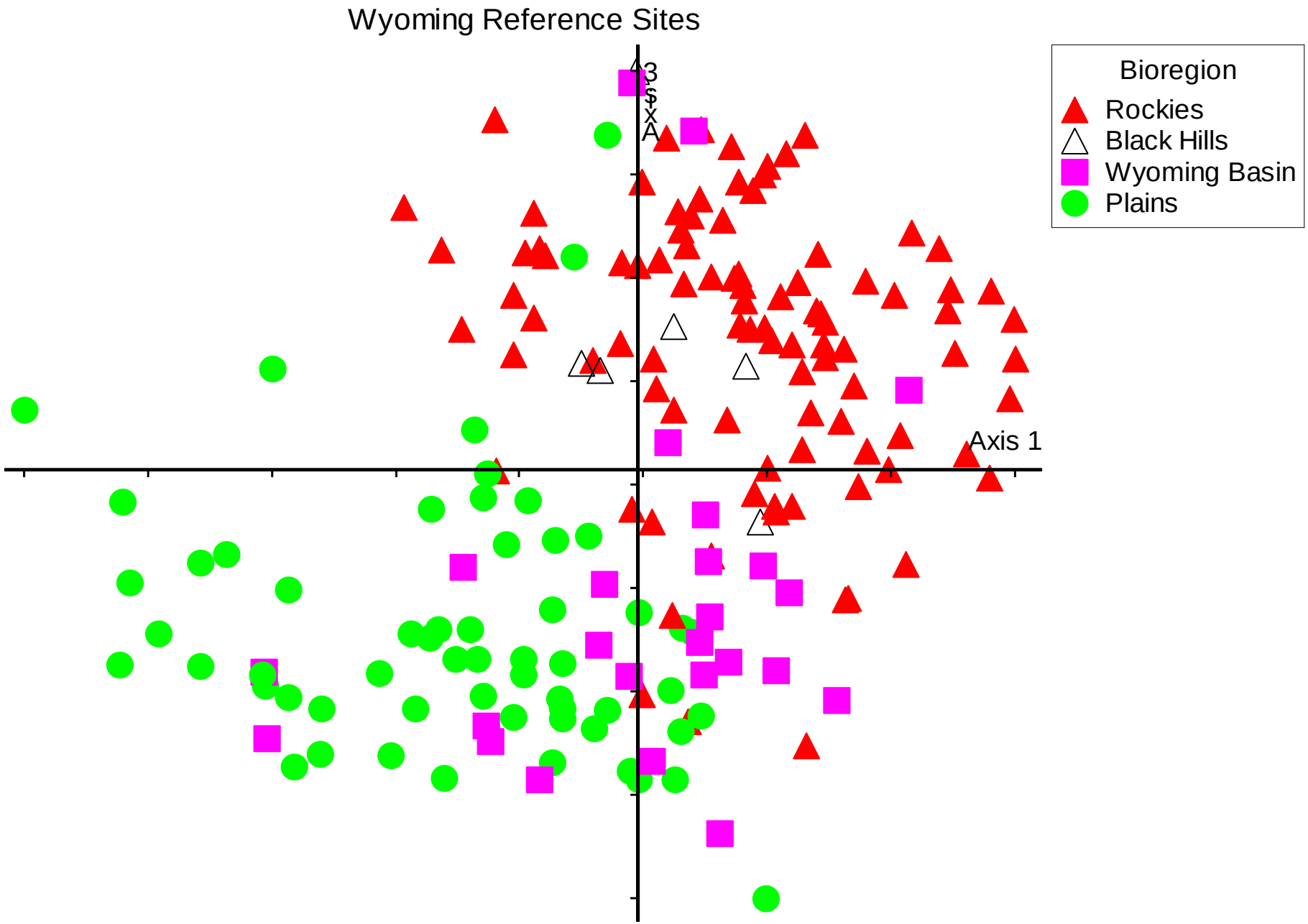
Index 201

Classification Exercise

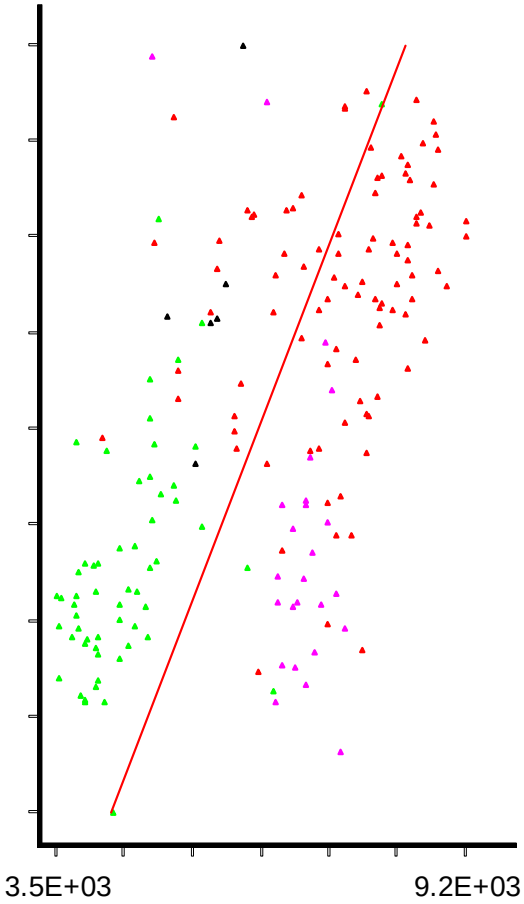
(Please see slides 20 & 21 in *Case Study: Classification of Western Streams*)


Mid. Rockies (Central)
Middle Rockies (West)
Middle Rockies (East)
NW Great Plains
Wyoming Basin
Western High Plains
Southern Rockies

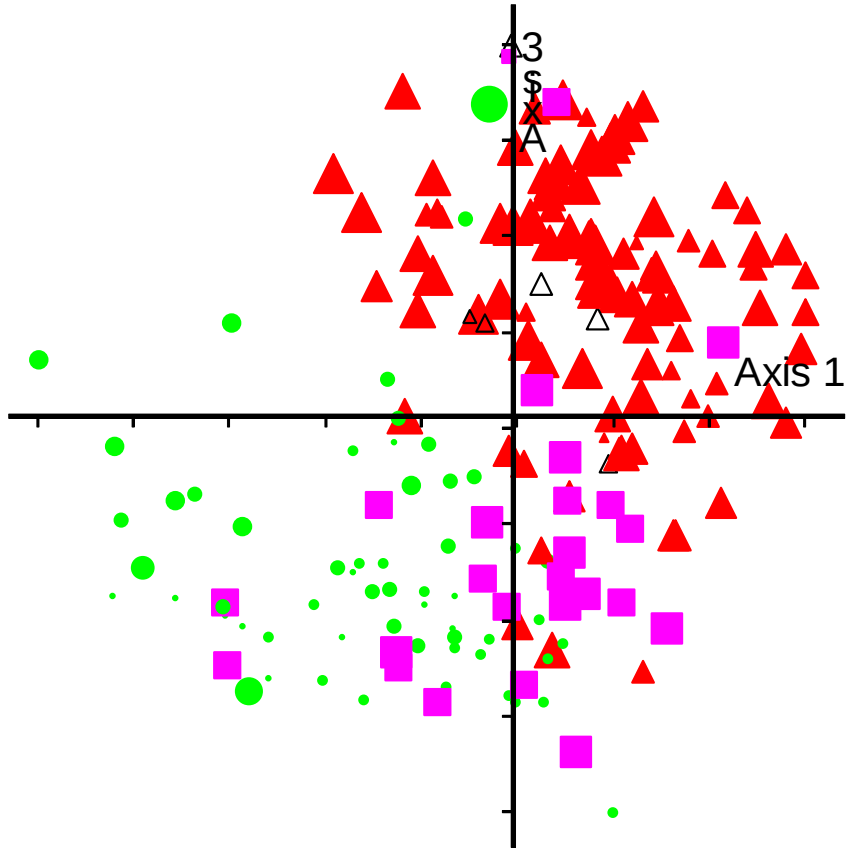

Wyoming Reference Sites
3
Axis 1
Ecoregion
Wyoming Basin
Southern Rockies
Western High Plains
Northwestern Great Plains
Middle Rockies (C-BigHo)
Middle Rockies (W)
Middle Rockies (E -BlkHill)

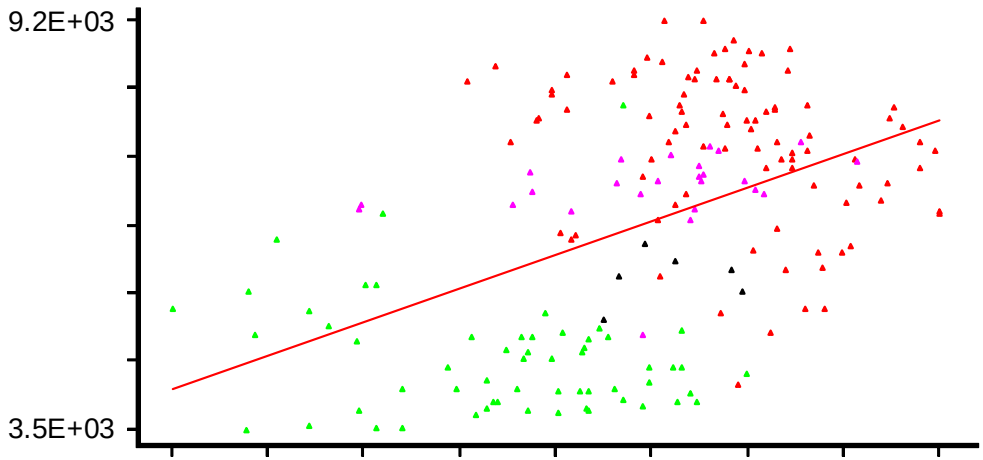

Wyoming Reference Sites
Axis 3
Axis 1
Bioregion
Rockies
Black Hills
Wyoming Basin
Plains

Wyoming reference sites

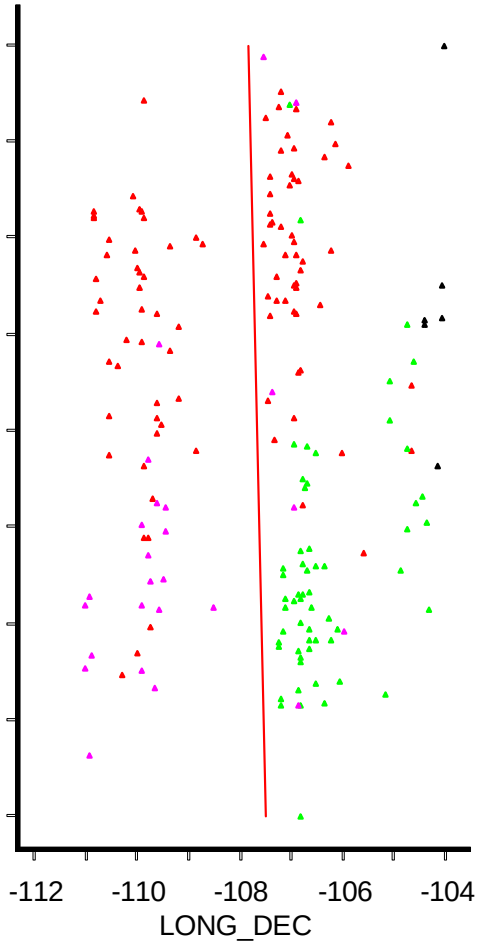


Axis 1
r = .458 tau = .287
Axis 3
r = .601 tau = .445





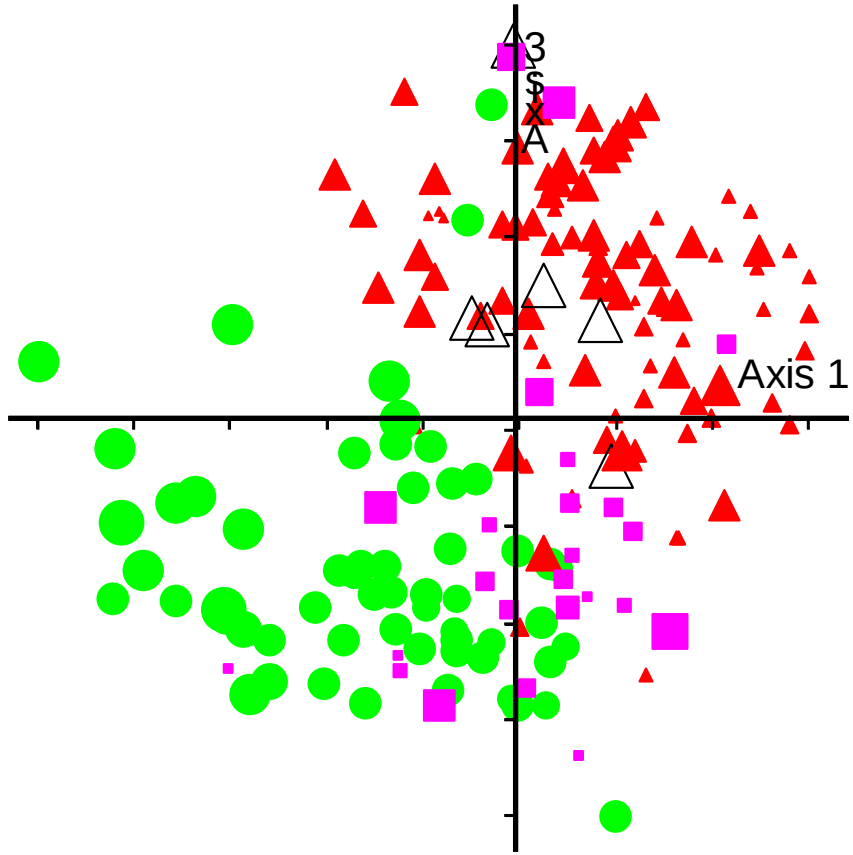
Elevation

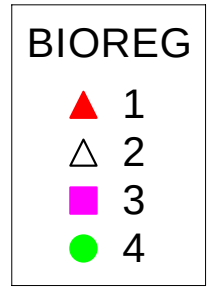


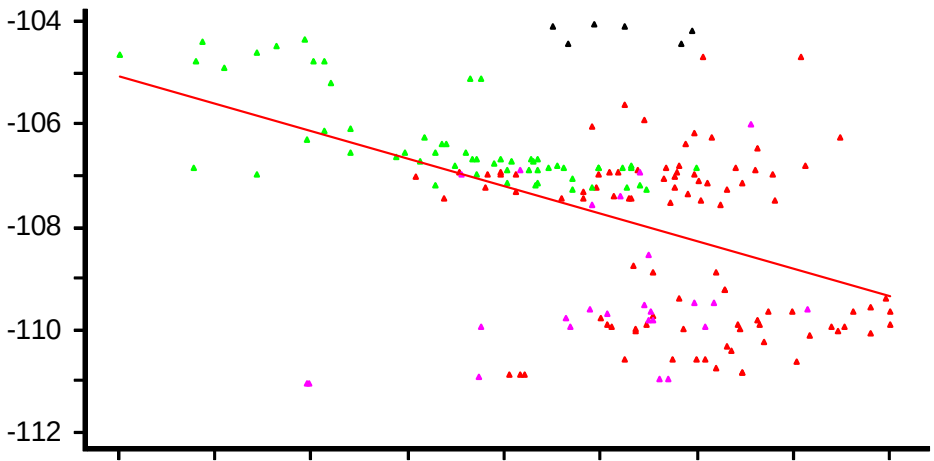
Axis 1
r = -.459 tau = -.327
Axis 3
r = -.041 tau = -.084

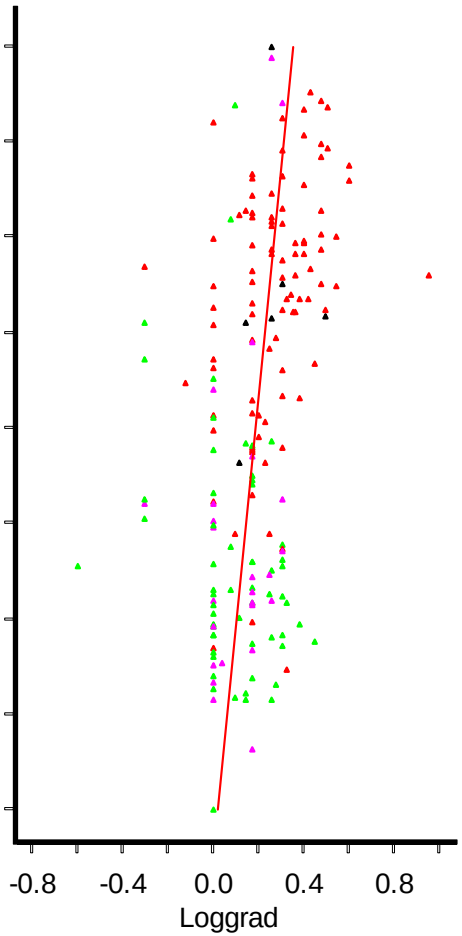
Longitude

Wyoming reference sites





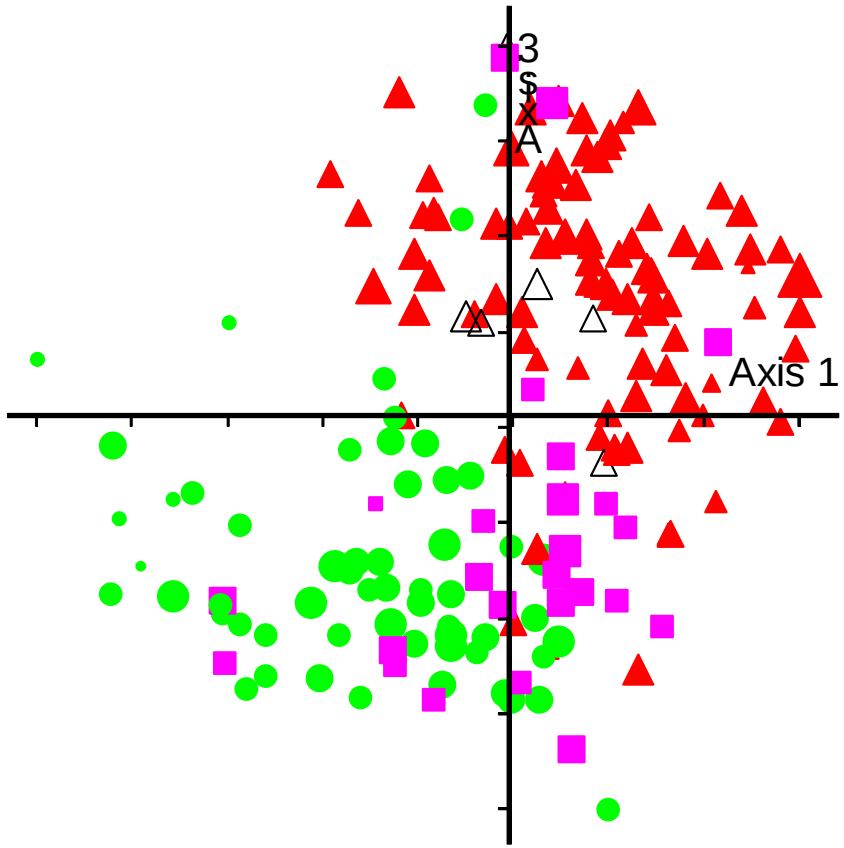


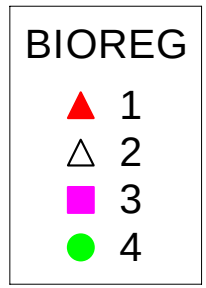


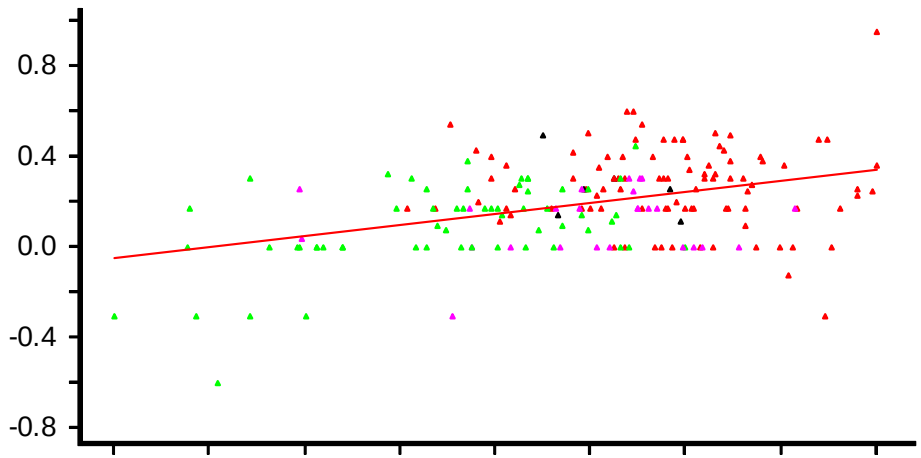
Axis 1
r = .393 tau = .213
Axis 3
r = .405 tau = .315

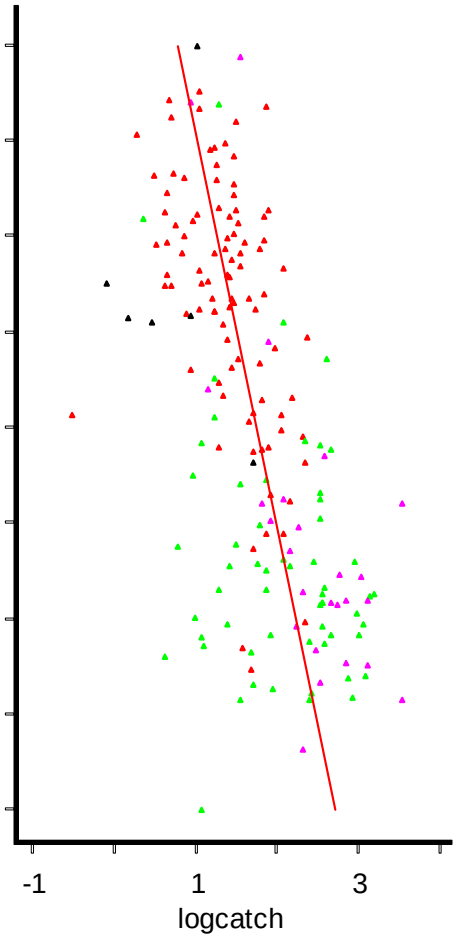
Gradient (log)

Wyoming reference sites



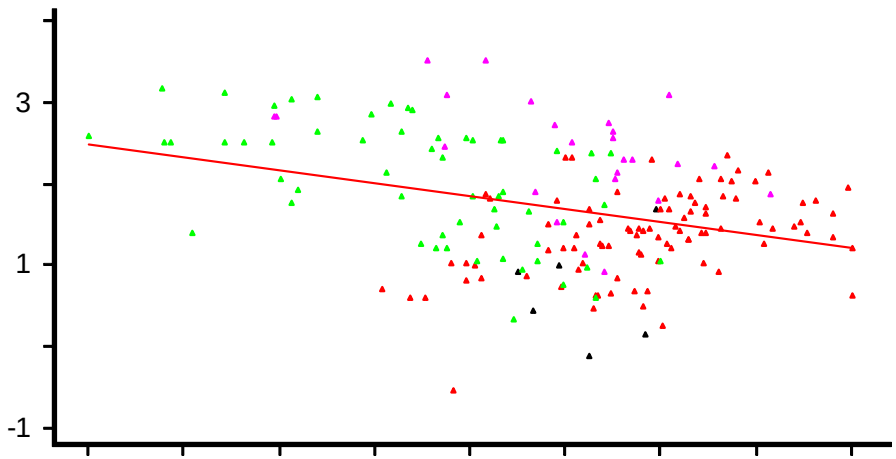




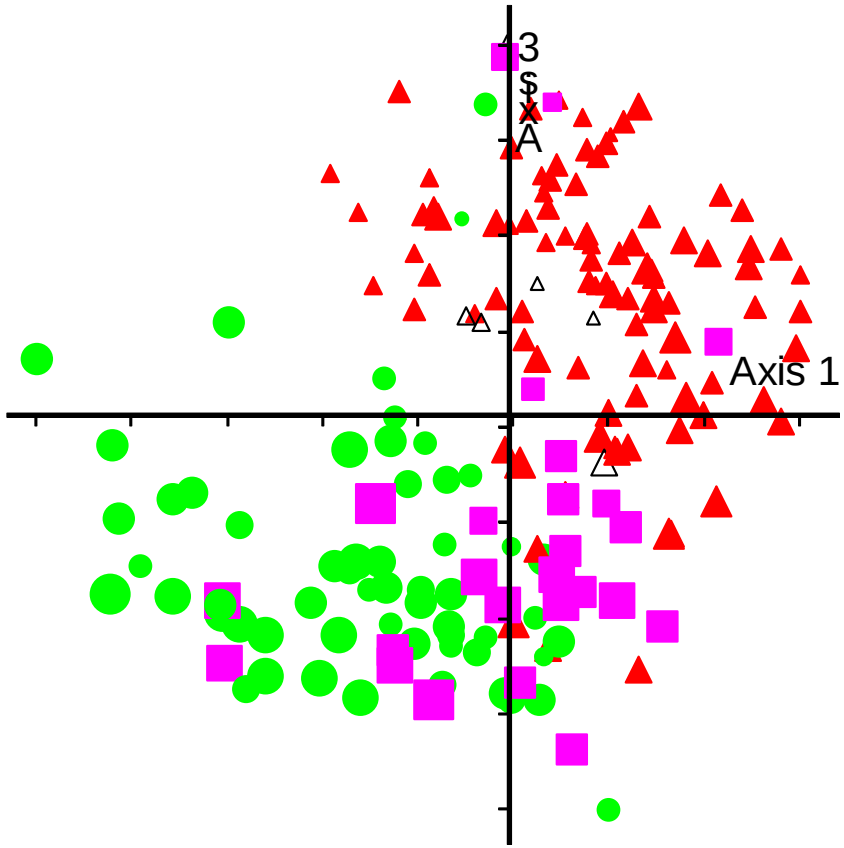


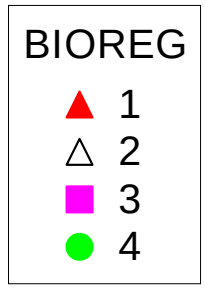
Axis 1
r = -.343 tau = -.153
Axis 3
r = -.612 tau = -.440

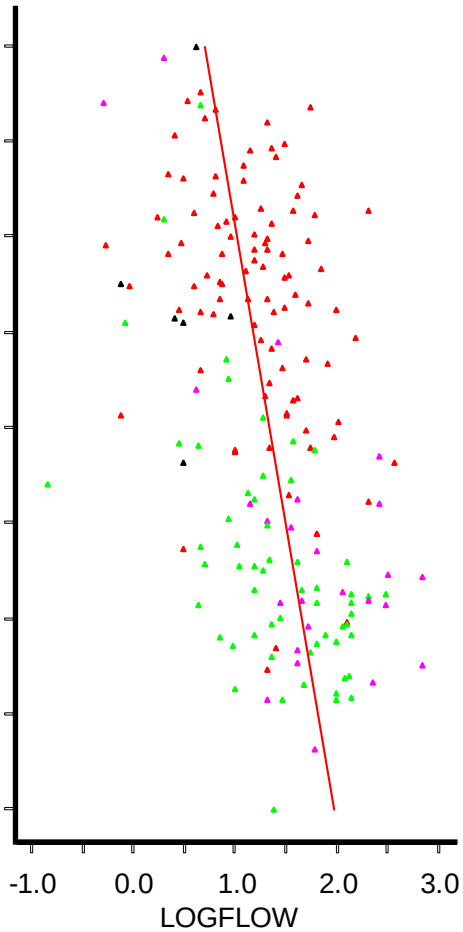
Area (log)



Wyoming reference sites



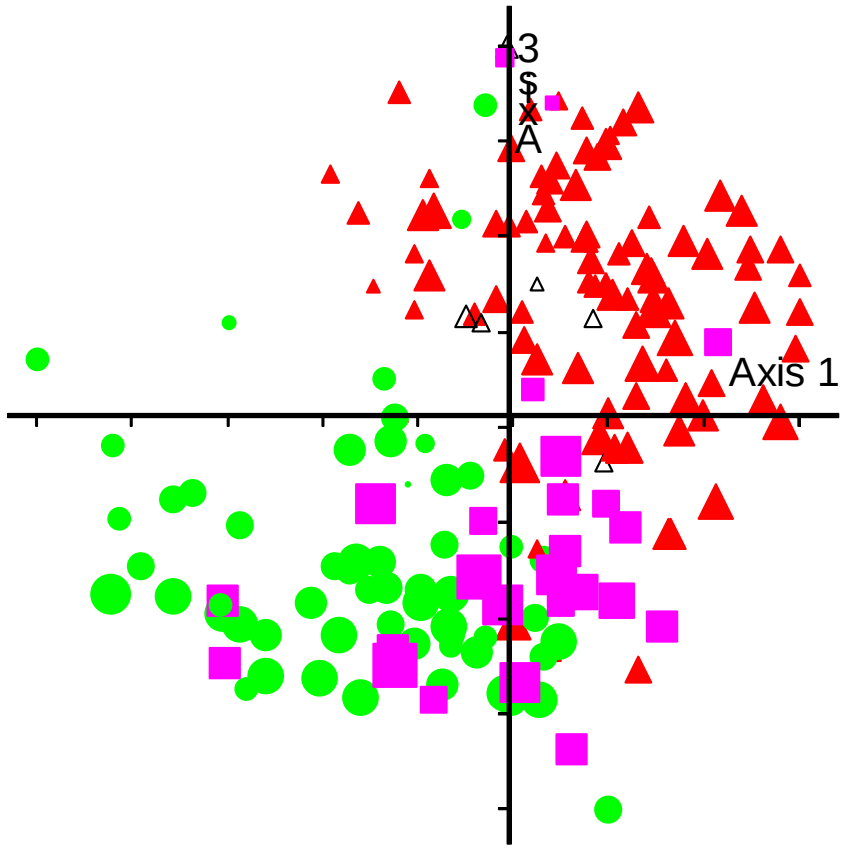


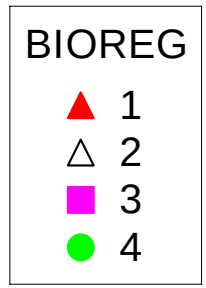


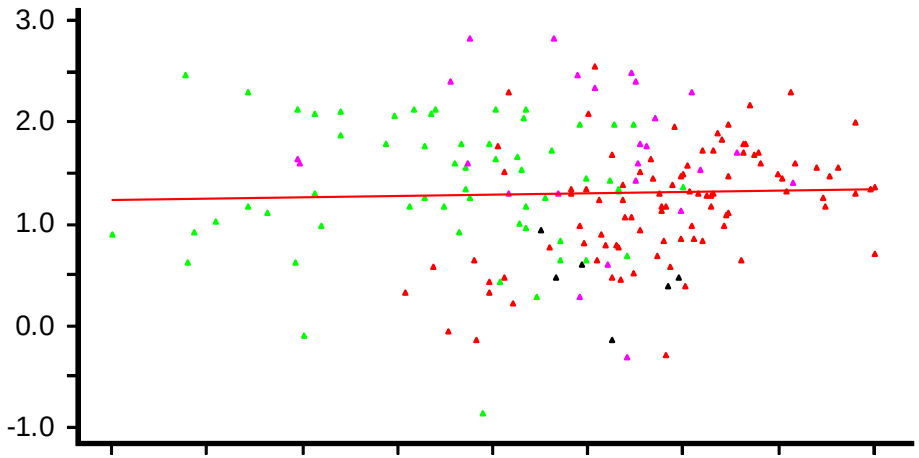
Axis 1
r = .029 tau = .038
Axis 3
r = -.474 tau = -.333

Flow (log)

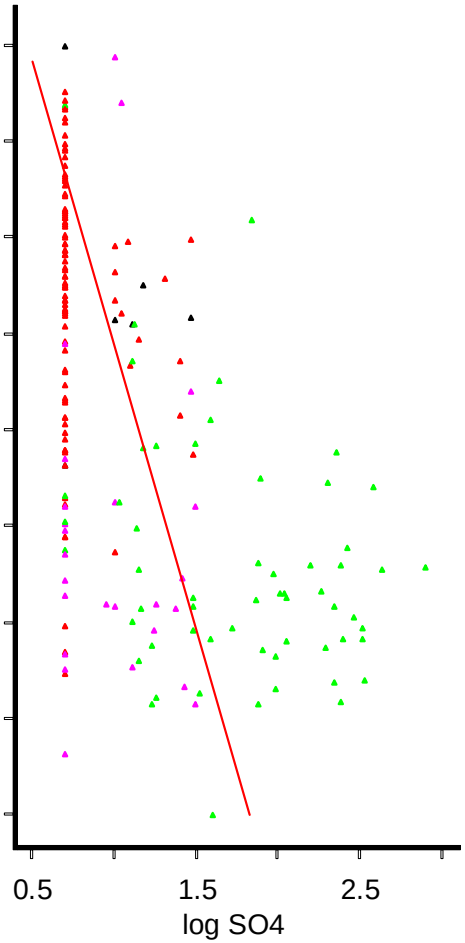
Wyoming reference sites





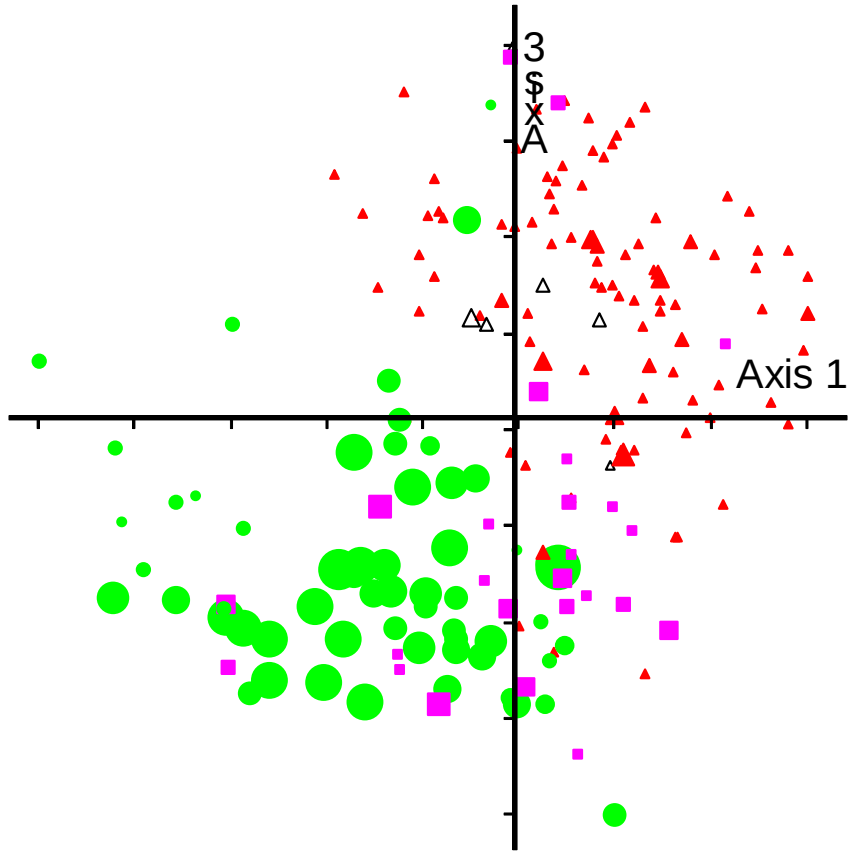


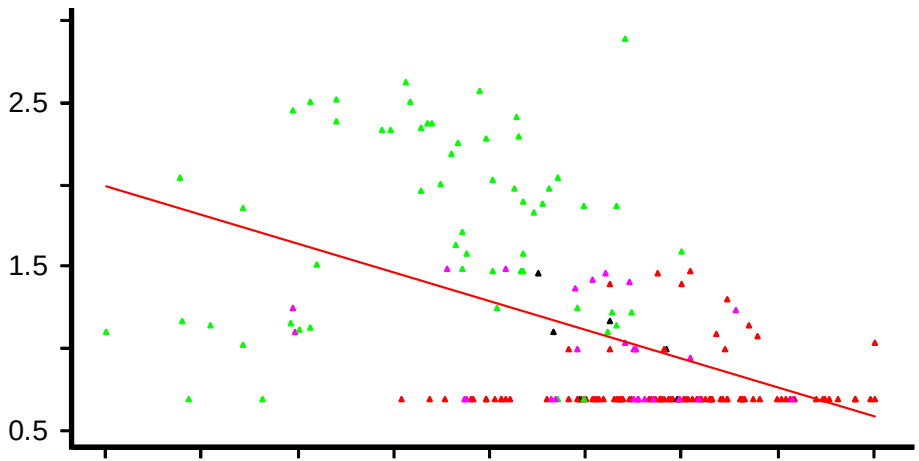
Wyoming reference sites



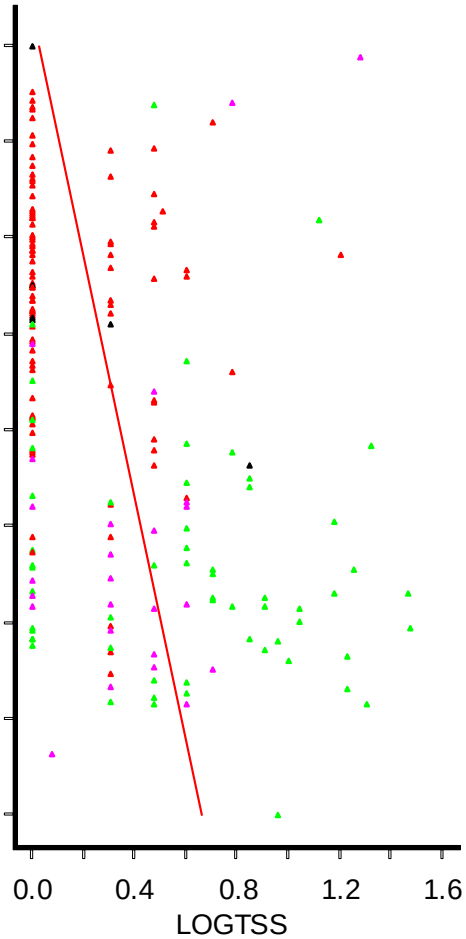
Axis 1
r = -.486 tau = -.398
Axis 3
r = -.556 tau = -.429

SO_4 (log)



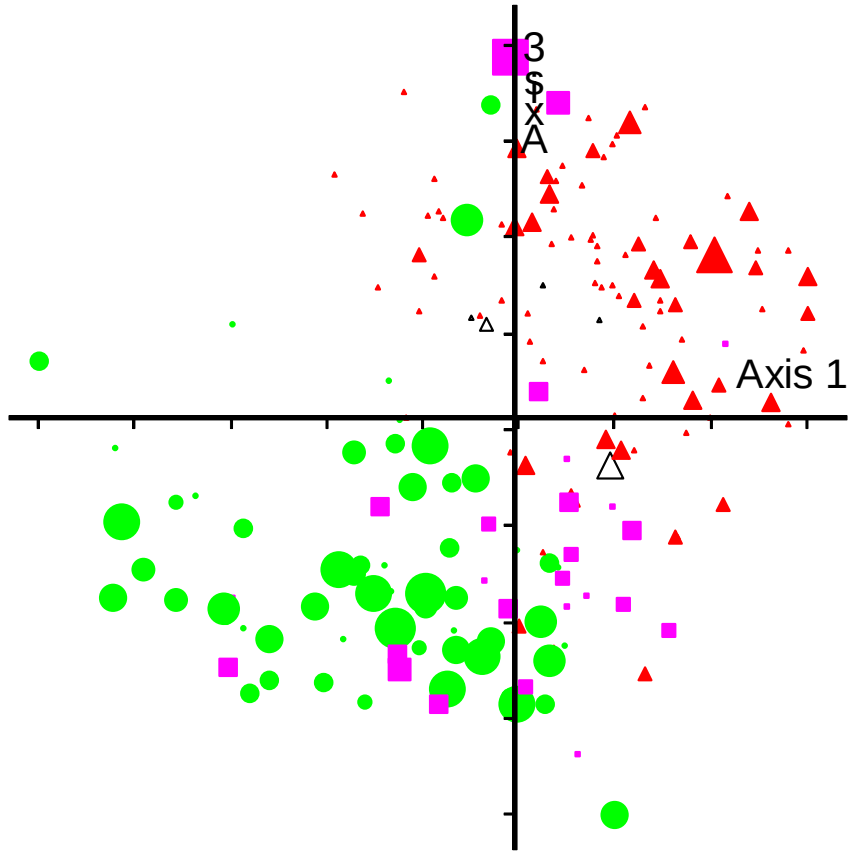


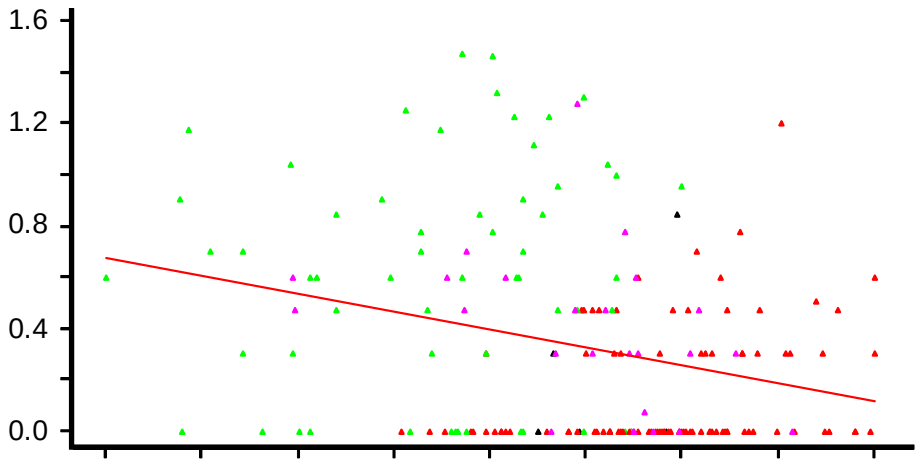
Wyoming reference sites



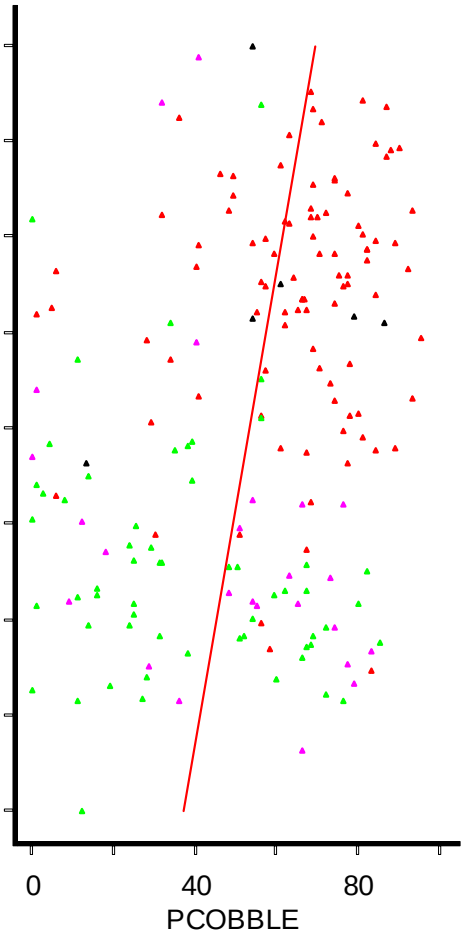
Axis 1
r = -.288 tau = -.204
Axis 3
r = -.392 tau = -.308

TSS (log)

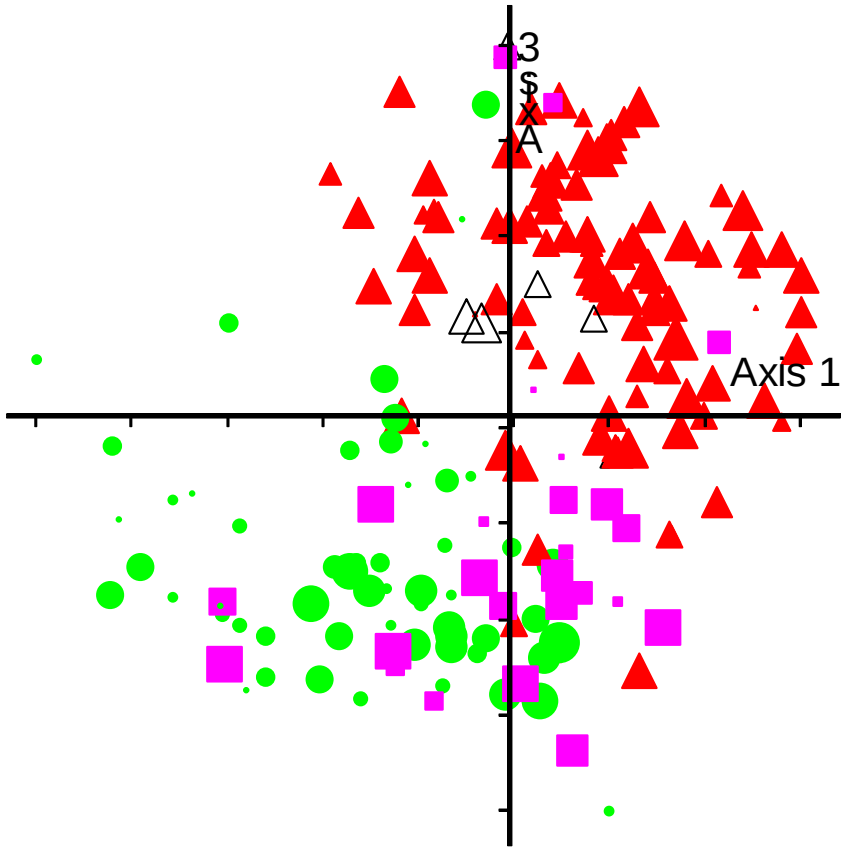


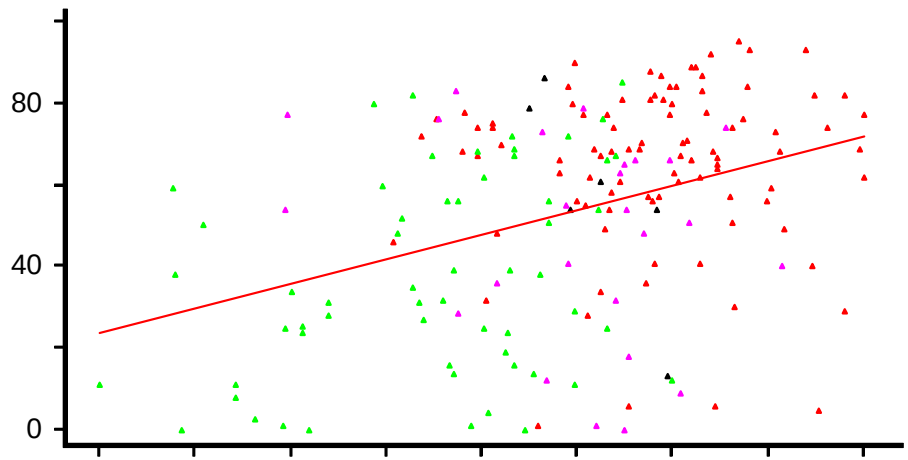


Wyoming reference sites



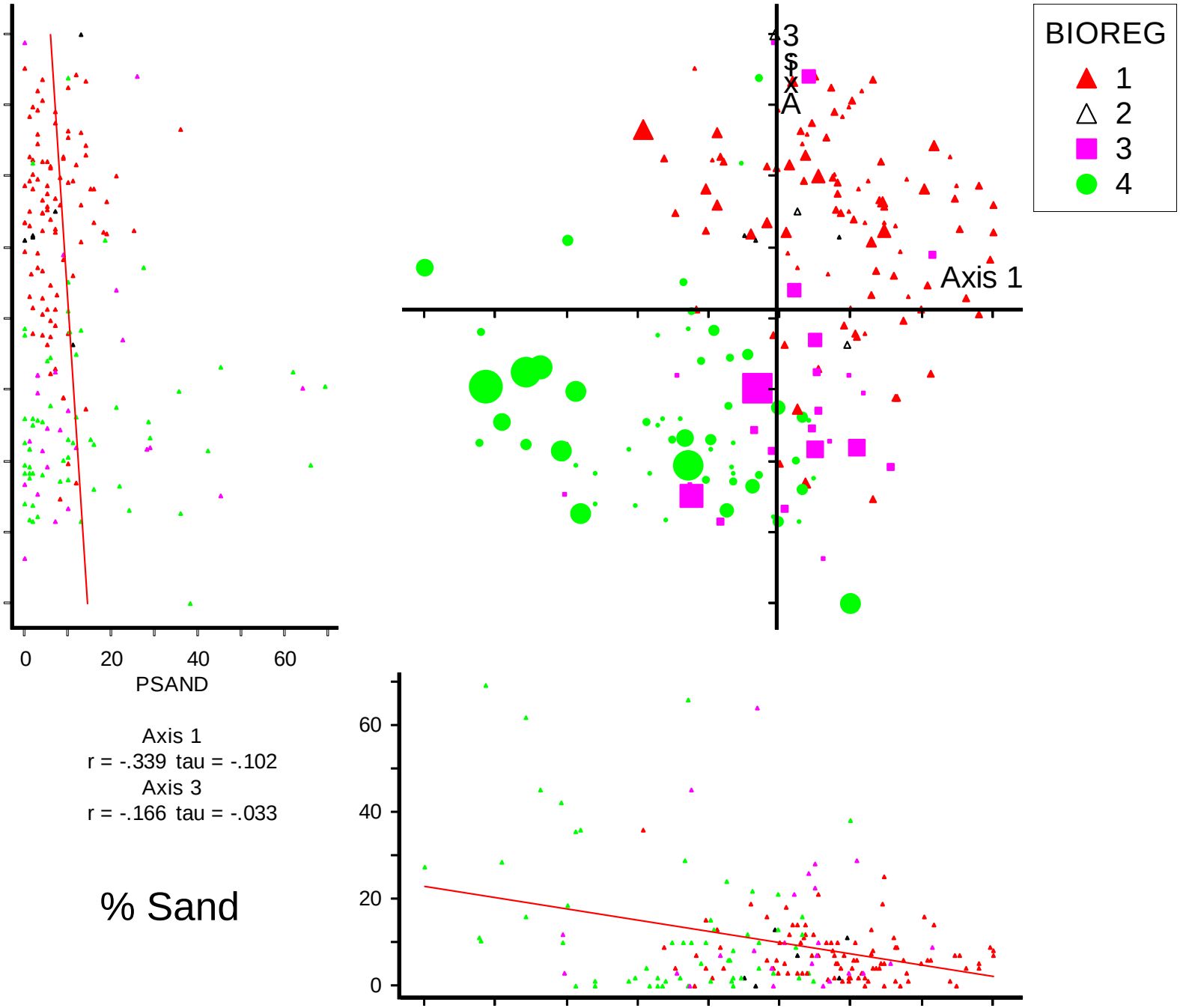
Axis 1
r = .374 tau = .238
Axis 3
r = .299 tau = .190



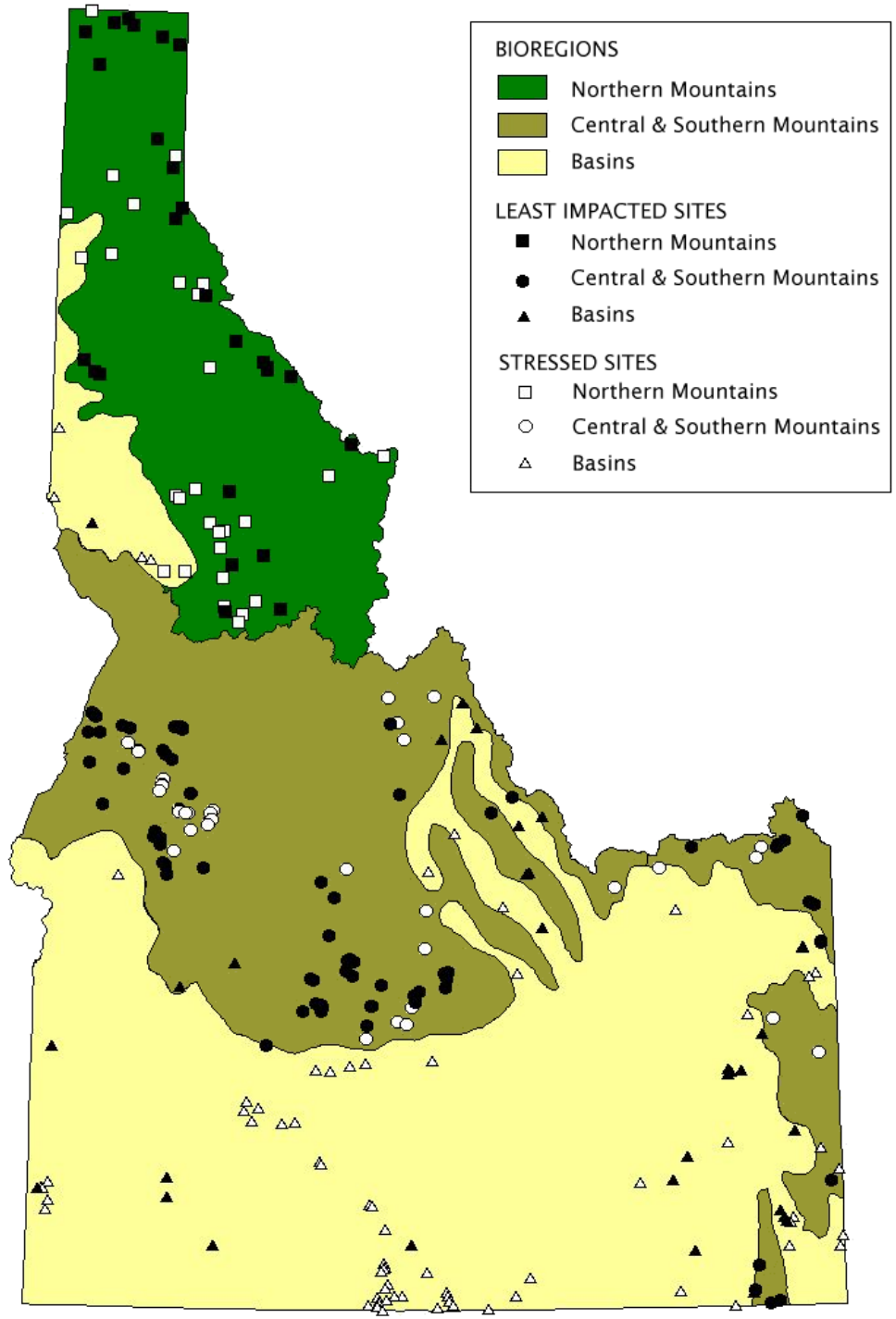


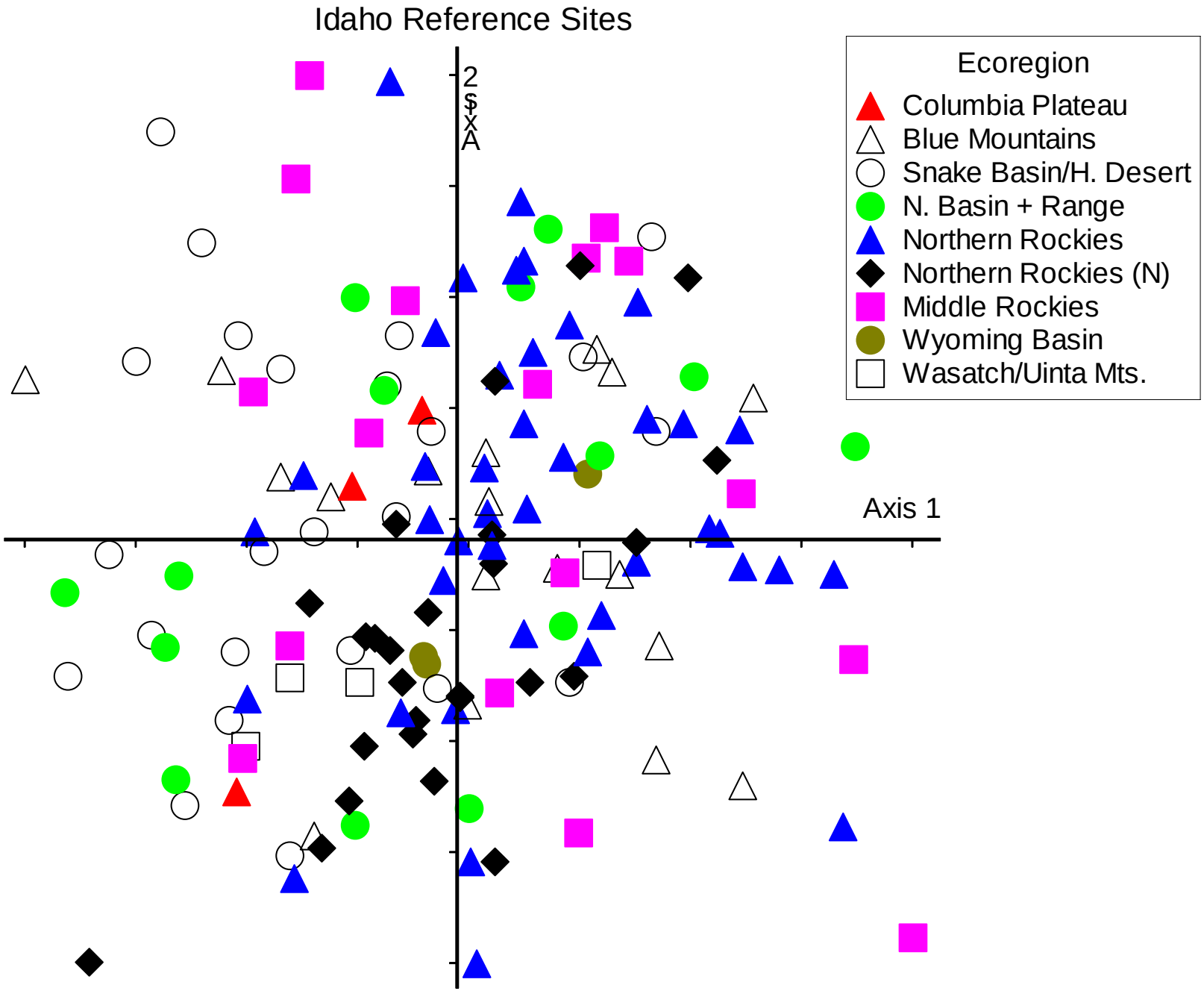
% Cobble

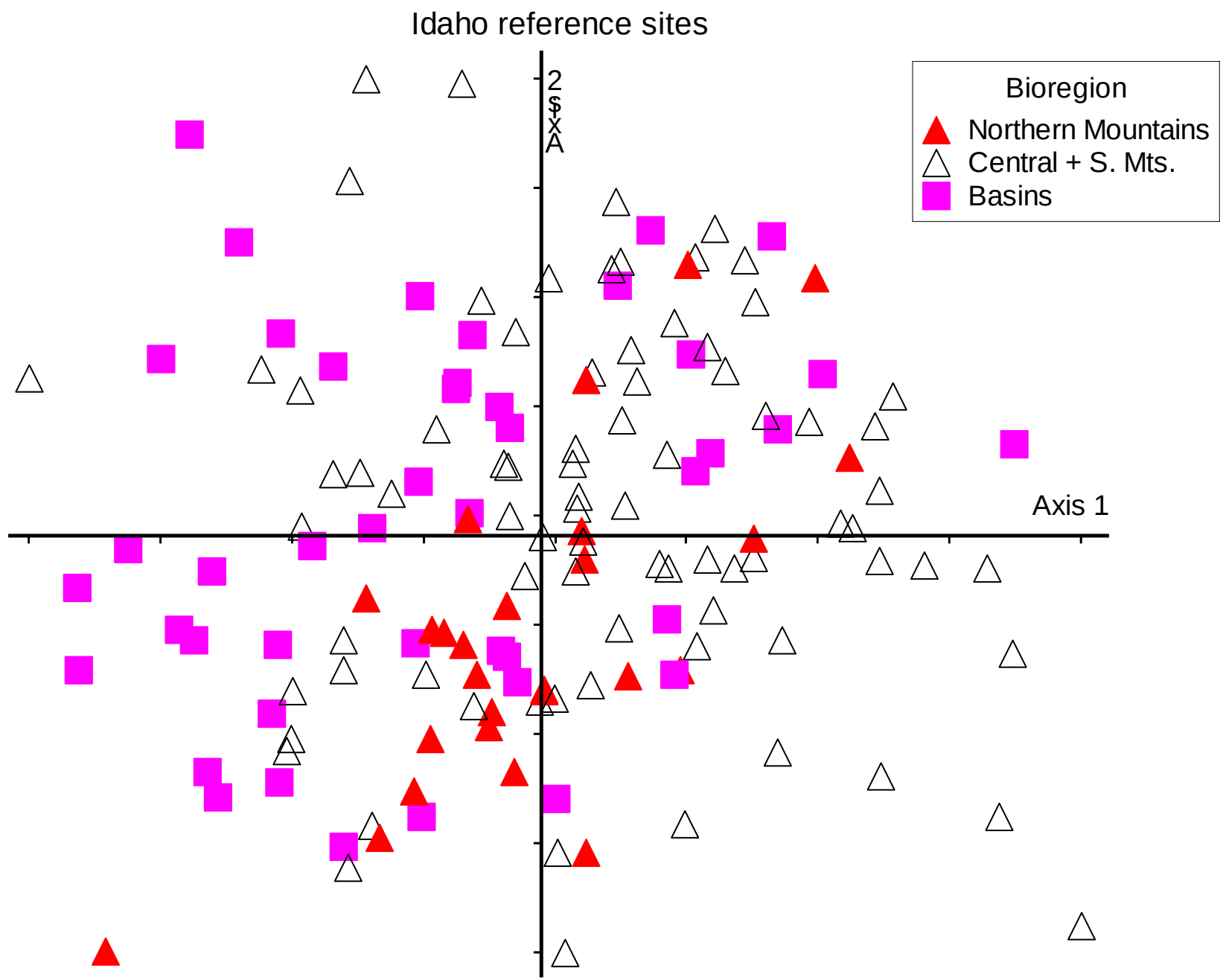
Wyoming reference sites

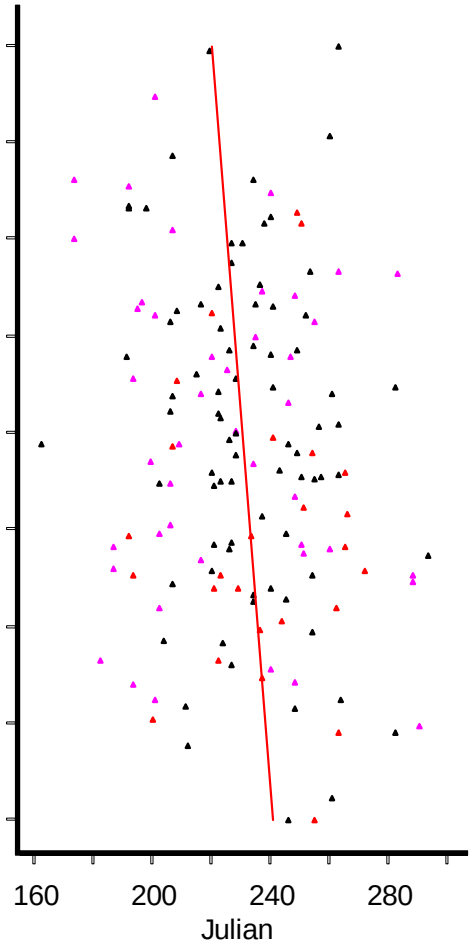


% Sand


BIOREGIONS
Northern Mountains
Central & Southern Mountains
Basins
LEAST IMPACTED SITES
Northern Mountains
Central & Southern Mountains
Basins
STRESSED SITES
Northern Mountains
Central & Southern Mountains
Basins

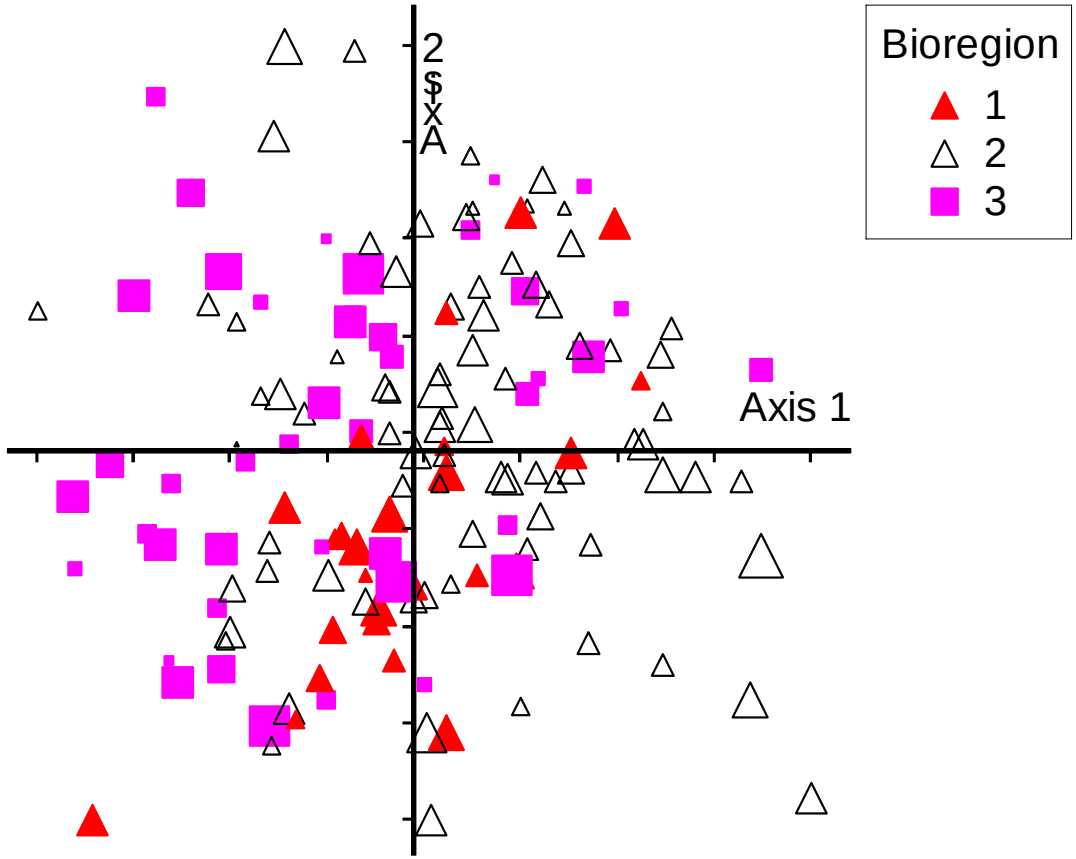

Idaho Reference Sites
Axis 2
Axis 1
Ecoregion
Columbia Plateau
Blue Mountains
Snake Basin/H. Desert
N. Basin + Range
Northern Rockies
Northern Rockies (N)
Middle Rockies
Wyoming Basin
Wasatch/Uinta Mts.

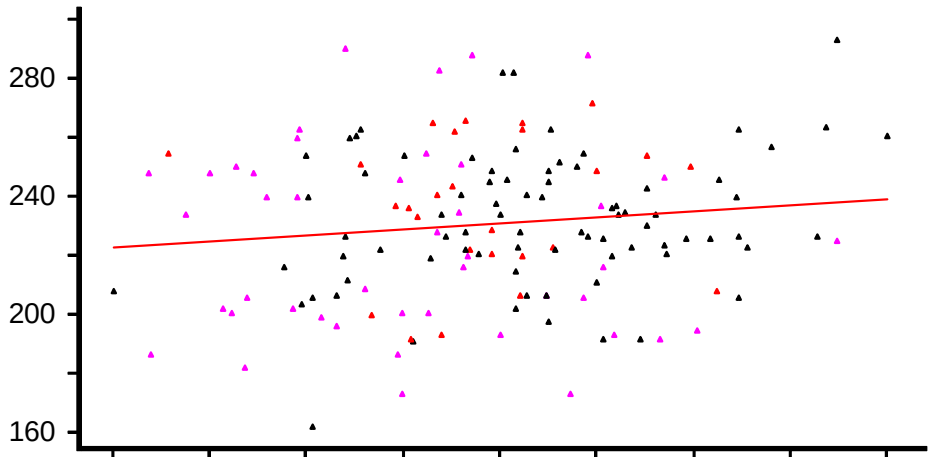

Idaho reference sites
Bioregion
Northern Mountains
Central + S. Mts.
Basins
Axis 1
2
$
X
A

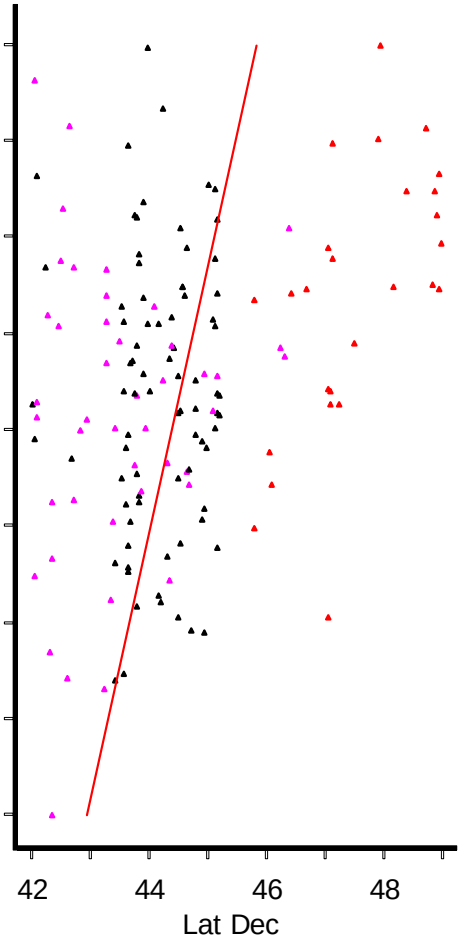


Axis 1
r = .129 tau = .059
Axis 2
r = -.172 tau = -.104

Julian Date

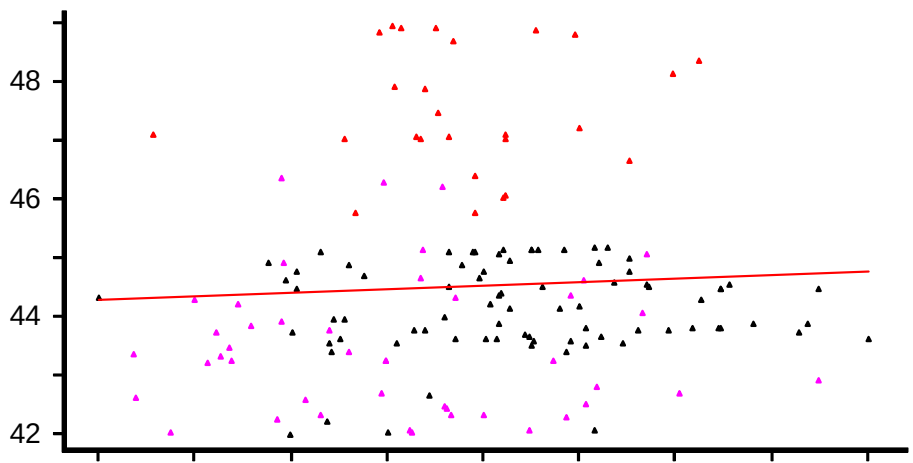




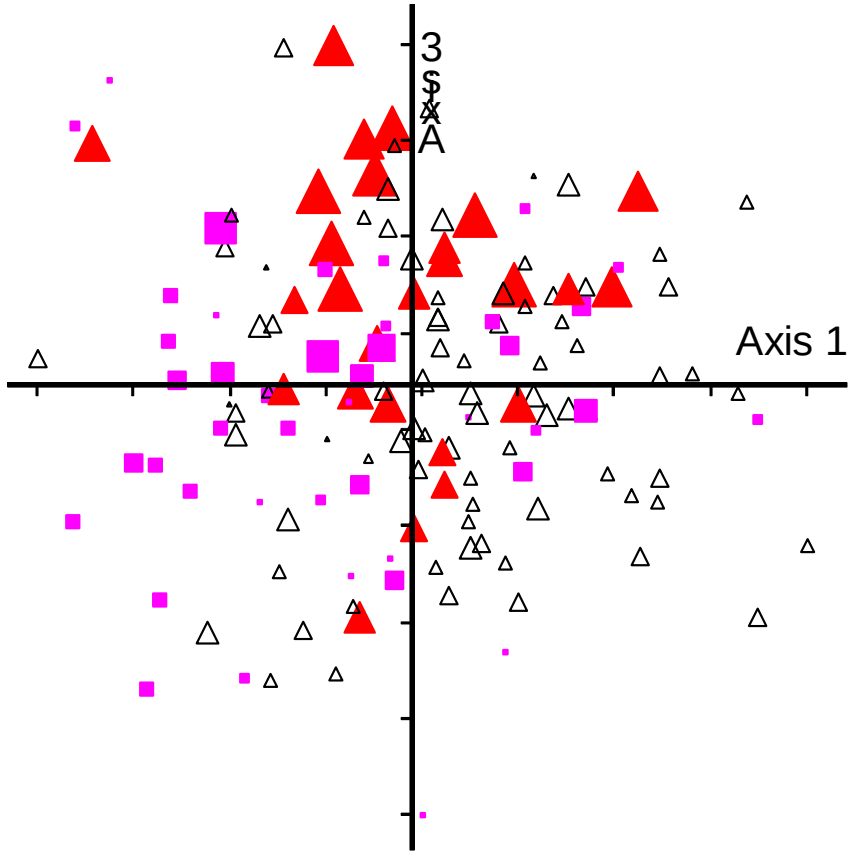


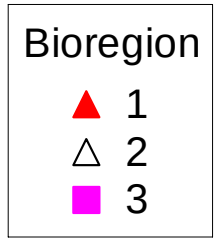
Axis 1
r = .056 tau = .061
Axis 3
r = .322 tau = .187

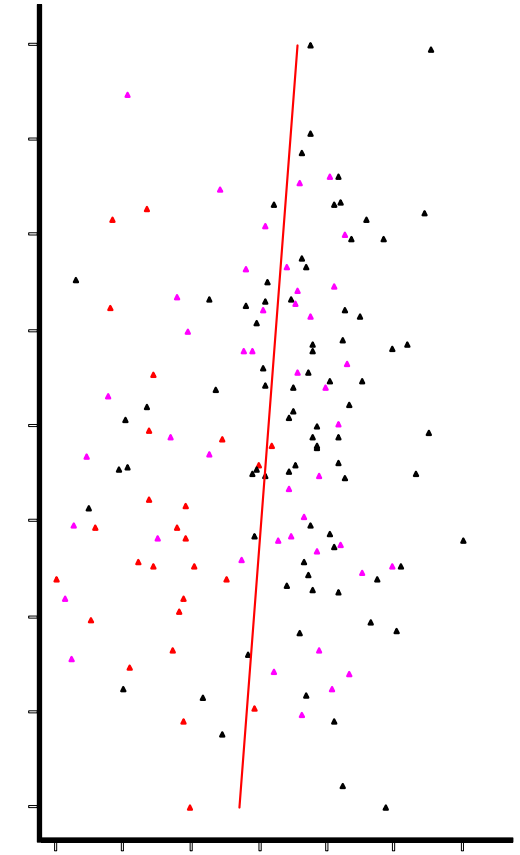
Latitude



Idaho NMS

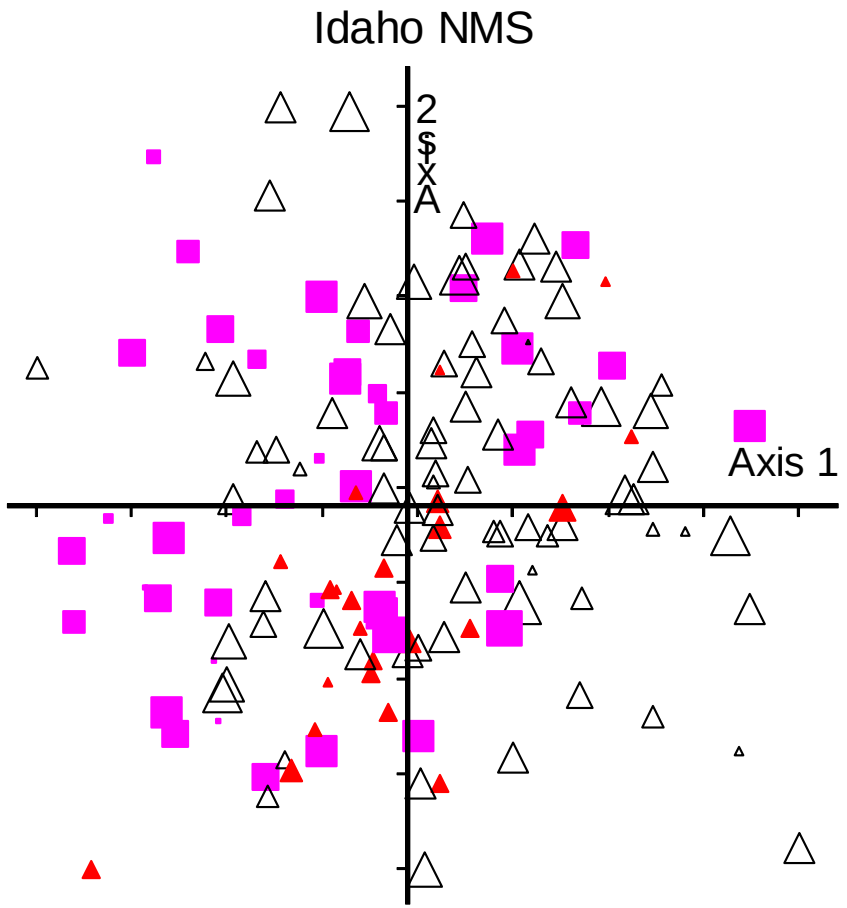


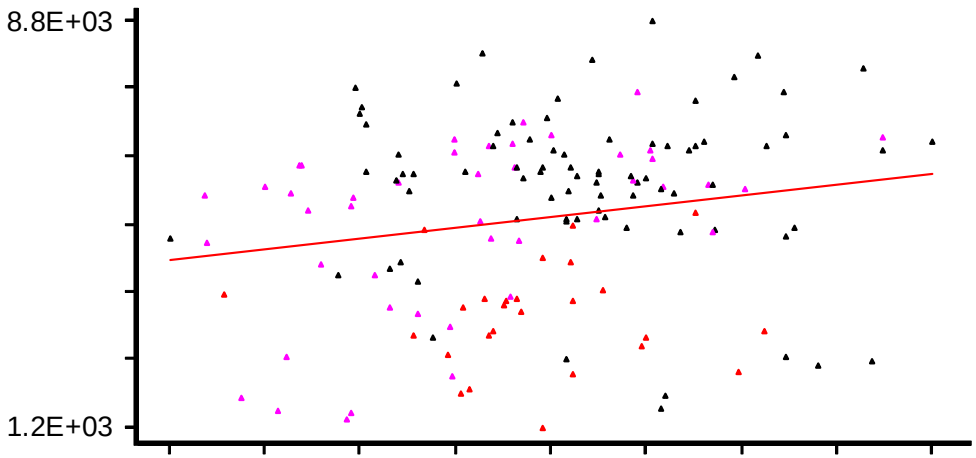


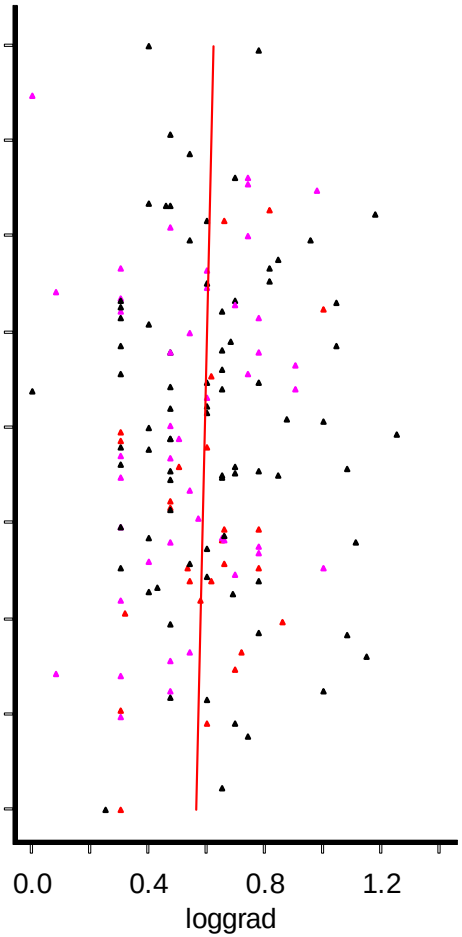


Axis 1
r = .191 tau = .132
Axis 2
r = .139 tau = .084

Elevation

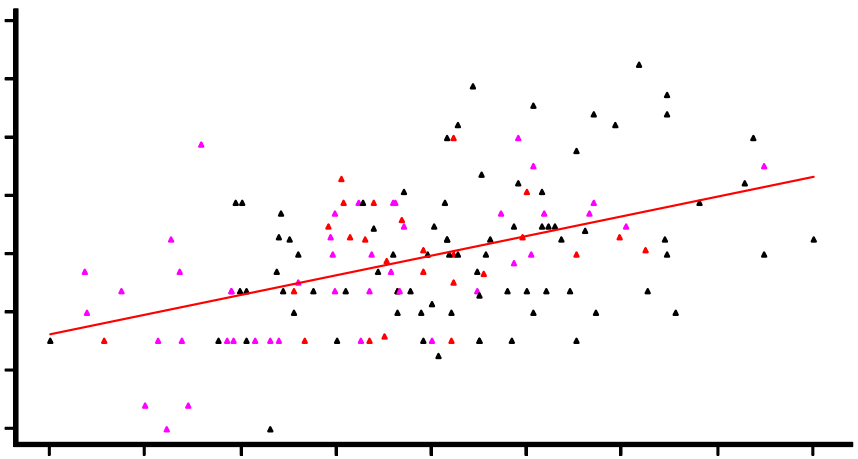




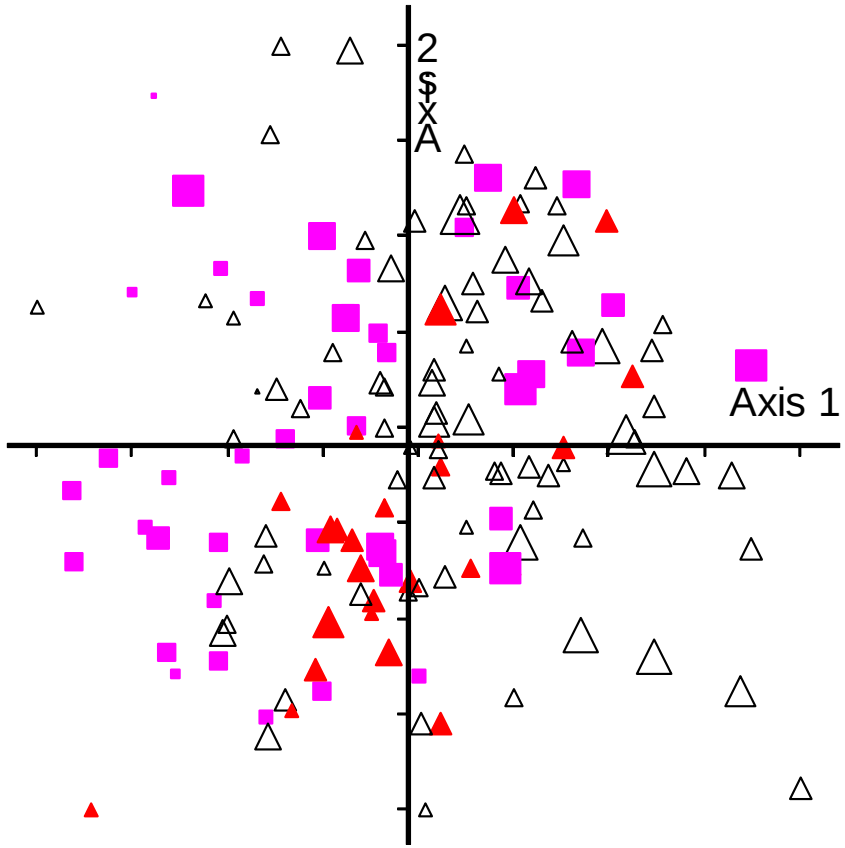


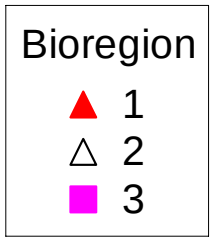
Axis 1
r = .463 tau = .303
Axis 2
r = .052 tau = .042

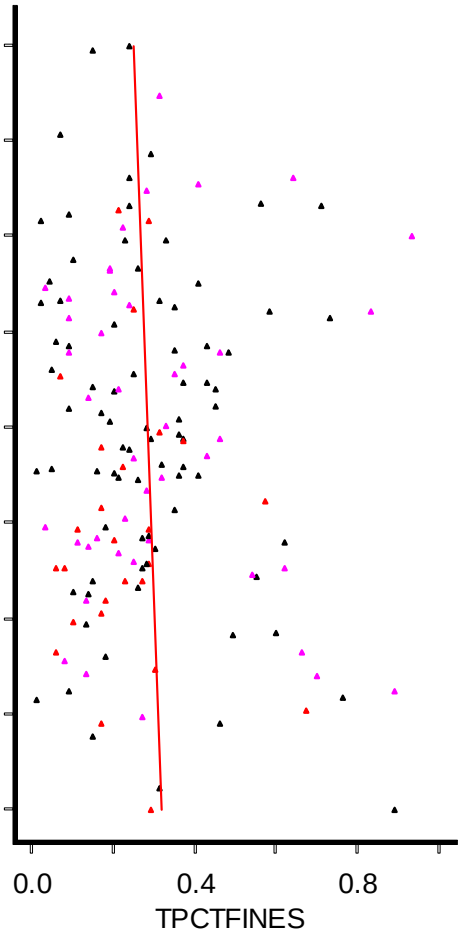
Gradient (log)



Idaho NMS

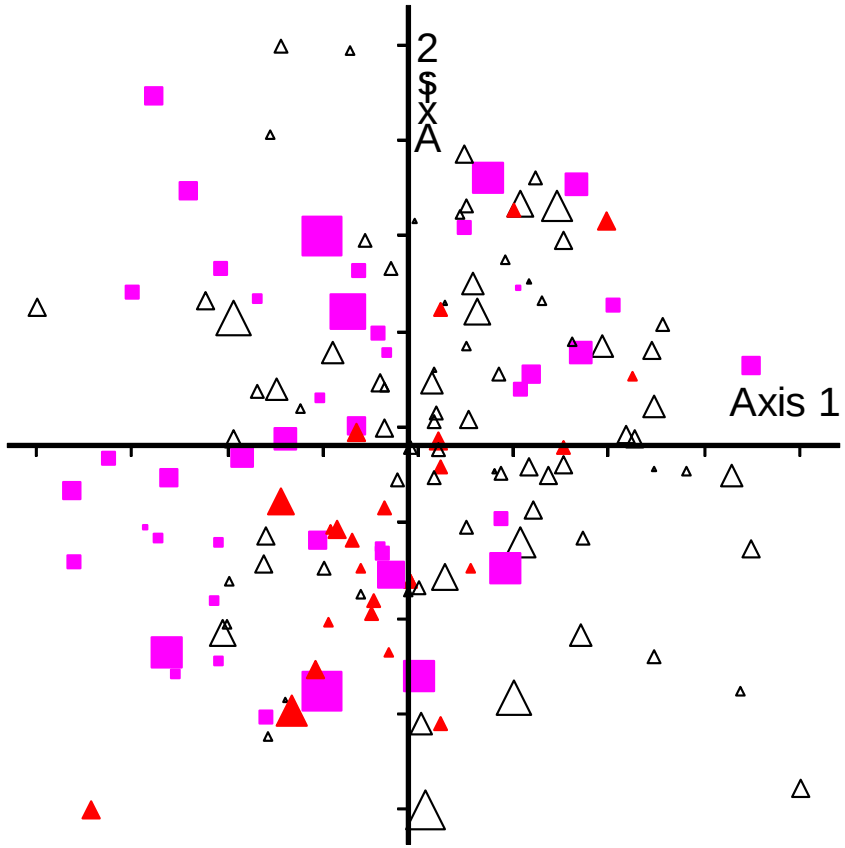


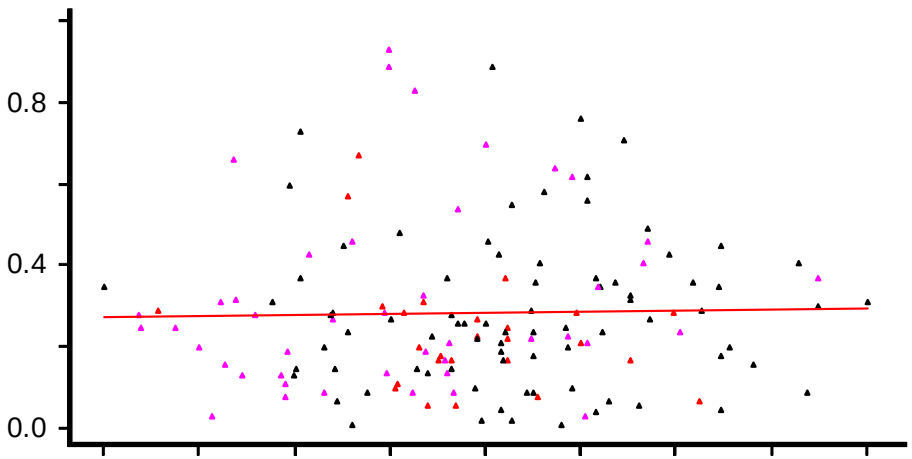


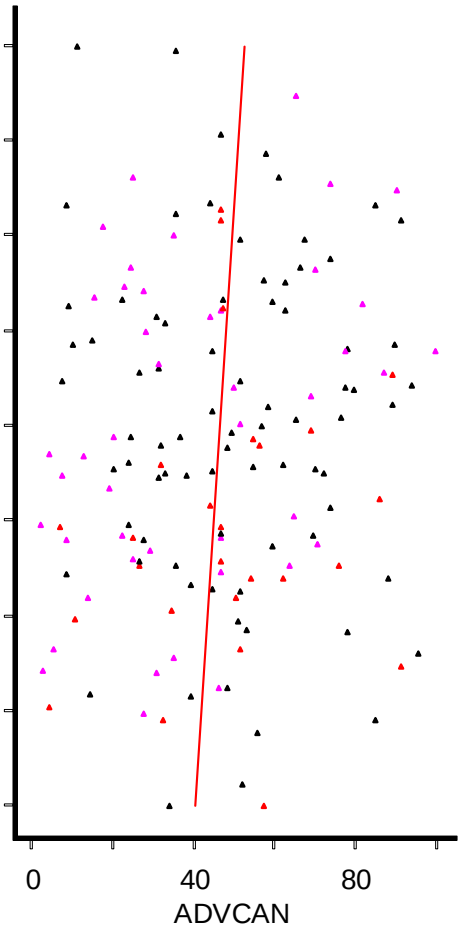


Axis 1
r = .022 tau = .045
Axis 2
r = -.078 tau = -.005

Fines
(< 6mm)







Axis 1
r = .356 tau = .244
Axis 2
r = .107 tau = .080

Canopy Cover (%)